

Acer

Veriton M265 Service Guide

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Revision History

Please refer to the table below for the updates made on Veriton M265 Service Guide

Date	Chapter	Updates

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Conventions

The following conventions are used in this manual:

SCREEN ESSAGES	Denotes actual messages that appear on screen.
NOTE	Gives bits and pieces of additional information related to the current topic.
WARNING	Alerts you to any damage that might result from doing or not doing specific actions.
CAUTION	Gives precautionary measures to avoid possible hardware or software problems.
IMPORTANT	Remind you to do specific actions relevant to the accomplishment of procedures.

Preface

Before using this information and the product it supports, please read the following general information.

1. This Service Guide provides you with all technical information relating to the BASIC CONFIGURATION decided for Acer's "global" product offering. To better fit local market requirements and enhance product competitiveness, your regional office MAY have decided to extend the functionality of a machine (e.g. add-on card, modem, or extra memory capability). These LOCALIZED FEATURES will NOT be covered in this generic service guide. In such cases, please contact your regional offices or the responsible personnel/channel to provide you with further technical details.
2. Please note WHEN ORDERING FRU PARTS, that you should check the most up-to-date information available on your regional web or channel. If, for whatever reason, a part number change is made, it will not be noted in the printed Service Guide. For ACER-AUTHORIZED SERVICE PROVIDERS, your Acer office may have a DIFFERENT part number code to those given in the FRU list of this printed Service Guide. You MUST use the list provided by your regional Acer office to order FRU parts for repair and service of customer machines.

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System Specifications

Features

Operating System

- Microsoft Windows Vista Business
- Microsoft Windows Vista Ultimate
- Microsoft Windows Vista Home Premium
- Microsoft Windows Vista Home Basic
- Microsoft Windows Vista Starter
- Microsoft Windows XP Home/Professional
- Microsoft Windows Vista Home Basic SP2
- Microsoft Windows Vista Home Premium SP2
- Microsoft Windows Vista Business SP2
- Microsoft Windows Vista (64 bit) SP2
- Microsoft Windows XP Professional SP3
- Linpus Linux
- Microsoft Windows 7 Professional 32-bit
- Microsoft Windows 7 Home Premium 32-bit
- Microsoft Windows 7 Home Basic 32-bit
- Microsoft Windows 7 Professional 64-bit

Processor

- Socket Type: Intel® Socket T LGA 775 pin
- Processor Type:
 - Intel Celeron(Conore L) /Pentium Dual Core / Core 2 Duo / Core2
Quad CPUs FSB 800/1066/1333 MHz CPUs

Chipset

- North Bridge: Intel G31
- South Bridge: Intel ICH 7DH

PCB

- Form Factor: Micro ATX
- Dimension/Layer: 244mm x244mm

Memory

- Memory Type: DDR II 800
- Support single channel 64 bit mode with maximum memory size up to 4GB
- Support un-buffered DIMM 2 only
- DIMM Slot: 2
- Memory Max: 512MB / 1GB / 2GB DDR2 memory technologies
- Capacity: Up to 1 GB per DIMM with maximum memory size up to 4 GB

PCI

- PCI Express Slot Type: x16
 - PCI Express x16 Slot Quantity: 1
 - Support ADD2/MEC card
- PCI Express Slot Type: x1
 - PCI Express x1 Slot Quantity: 1
- PCI Slot
 - PCI Slot Quantity: 2

FDD

- Slot Quantity: 1
 - Design Criteria:
 - Should support 1.44MB/3 mode 3.5" Devices
-

IDE

- Slot Type: 40pin PATA IDE slot
- Slot Quantity: 1
- Transfer rate support:
 - PIO Mode: 0/1/2/3/4
 - ATA mode: 33/66/100/133
- Storage Type support:
 - HDD/CD-ROM/CD-RW/DVD-ROM/DVD-RW/DVD+RW/DVD
Dual/DVD SuperMultiPlus/HD DVD/BlueRay DVD

SATA

- Slot Type: SATA slot
- Slot Quantity: 4
- Storage Type support:
 - HDD/CD-ROM/CD-RW/DVD-ROM/DVD-RW/DVD+RW/DVD
Dual/DVD Super Multi Plus / Blue-Ray ODD

Audio

- Chip : HD audio codec ALC888S HD codec 7.1
 - On board HD internal speaker header for Veriton SKU
 - Connectors support:
 - Rear 6 jack follow HD audio definition, example as below
 - Audio jacks color coding: should meet Microsoft Windows Logo
Program Device Requirements: Audio-0002
 - 1 S/PDIF-out header (1*4)
 - 1 front panel audio header (2*5)
 - 1 internal speaker header (2*4)
 - Add HD de-pop CKT (the attachment is the reference, please
-

propose your solution)

- S/N ratio: 90 dB at rear output jack
- BIOS should meet MS Pin Configuration Guidelines for High Definition Audio Devices

LAN

- Gigabit Ethernet . RTL8111B
 - Port: 1 x RJ45 rear port for Gigabit Ethernet
- Design Criteria:
 - Should be worked under 10/100/1000Mbs environment
 - Reserved disable function on BIOS side. Default is enabled

USB

- Controller: Intel ICH7DH
- Ports Quantity: 8
 - 4 back panel ports
 - On-board: 2 2*5 headers
 - 2 ports for front daughter board
 - 4 ports for rear I/O
 - 2 ports for internal card reader.
- Connector Pin: standard Intel FPIO pin definition
- Data transfer rate support:
 - USB 2.0/1.1

1394

- Controller: VIA 6308P 1394 controller (For Aspire M5630/M3630, Veriton S460)
 - Connector Quantity: 2
 - 1 rear 6pin IEEE1394 port
-

-
- 1 2x5pin onboard jumper

BIOS

- BIOS Type: Phoenix Award or AMI Kernel with Acer skin
- 4Mb Flash BIOS
- Note:
 - Boot ROM should be included (PXE function should be built in with default and RPL function is optional by service BIOS)
 - Compliant with latest ASF 2.0 spec
 - Compliant with latest SMT 2.0 spec
 - Compliant with latest Intel Virtualization Technology spec

I/O Connector

- Controller: Super I/O ITE 8718FX (F stepping or after; must full support Intel platform) Rear I/O Connector
- 1 Parallel port,
- 1 serial port
- 1 D-Sub VGA port
- 1 RJ45 LAN port
- 4 USB ports
- 7.1 channel phone jack (6 audio jacks)
- 1 6-pin 1394 port

On-board connectors

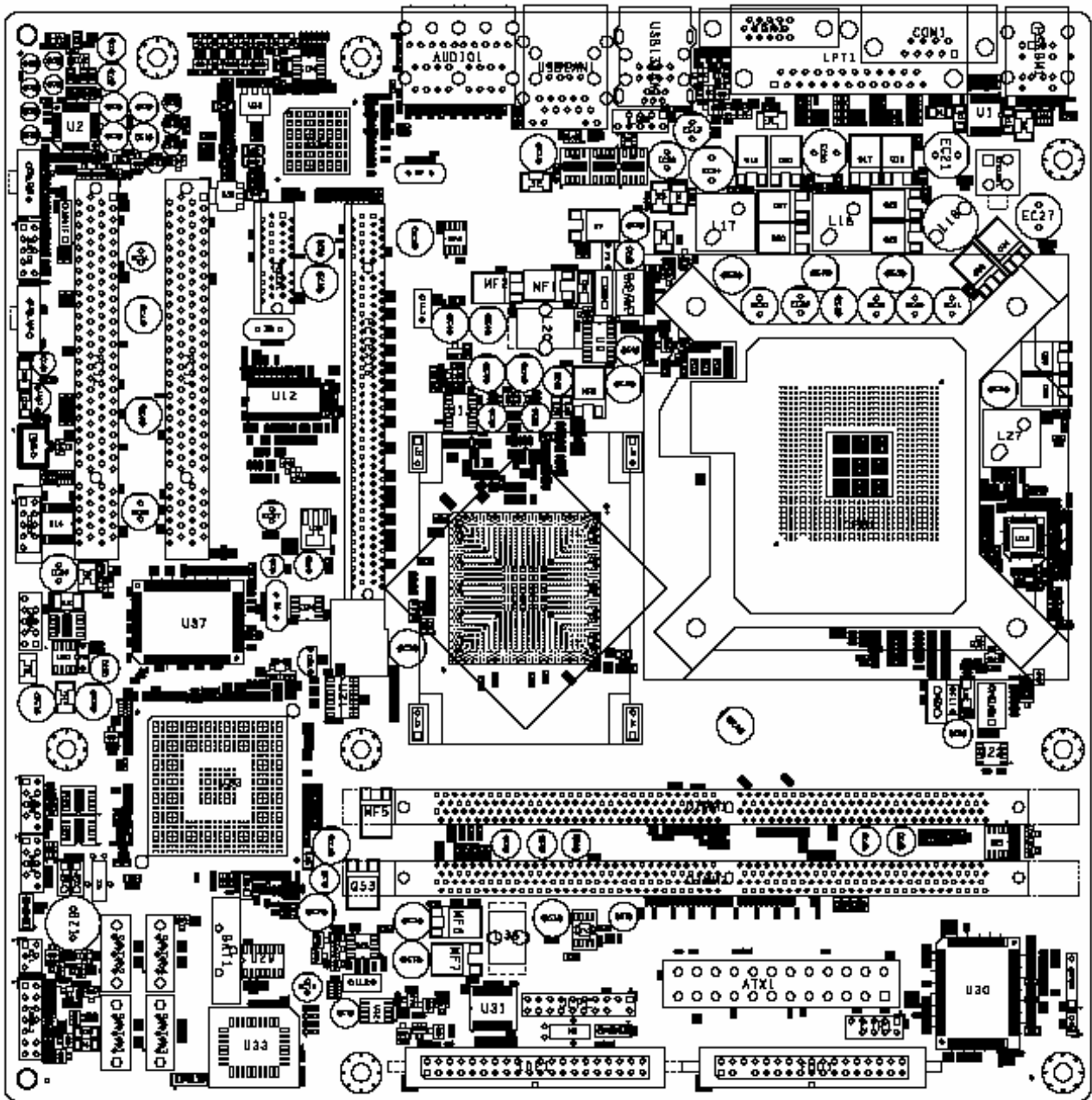
- 1 LGA 775 CPU socket
 - 2 DDR2 memory sockets
 - 1 PCI Express x16 slot
 - 1 PCI Express x 1 slot
 - 2 PCI slots
-

-
- 1 FDD slot
 - 4 SATA2 connectors
 - 5 pin Intel FPIO specification USB pin connectors (follow Intel FPIO standard Specification)
 - 5 pin Intel FPIO spec. Microphone In/ Headphone Out pin connectors
 - 1 serial port 2*5 pin connector (2nd serial port)
 - 1 HD audio digital header
 - 4 pin CPU Fan connector
 - 3 pin System FAN connector with linear circuit
 - 4 pin + 4pin ATX interface PS3/PS2 SPS connector
 - 7 pin front panel IO header
 - 1394 header
 - Jumper for clear CMOS
 - Color management for on board connectors (please refer to Acer spec)
 - Header for CIR & IR blaster function (Check ITE Solution)

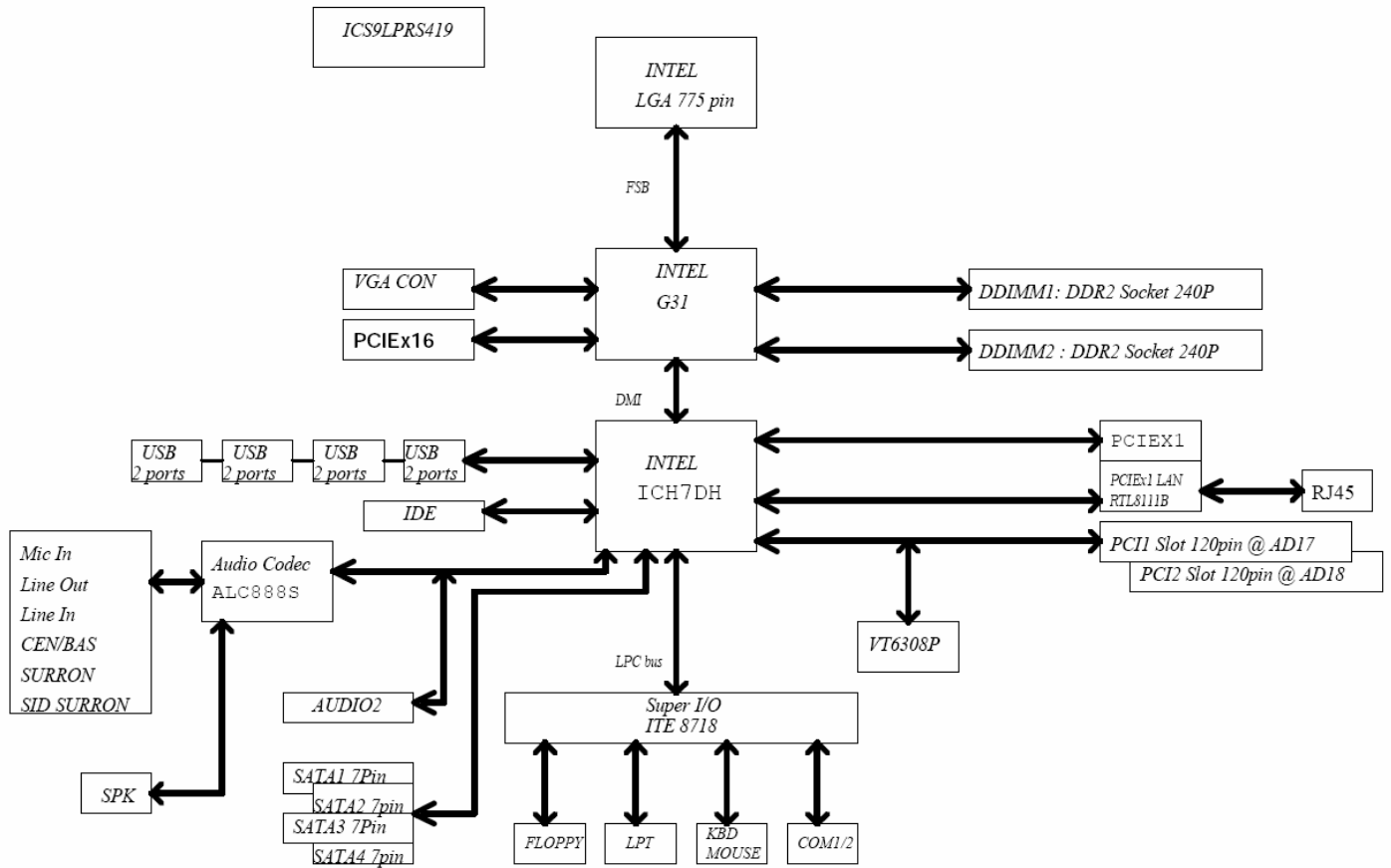
Power Supply

- PSP Type: 250W/300W

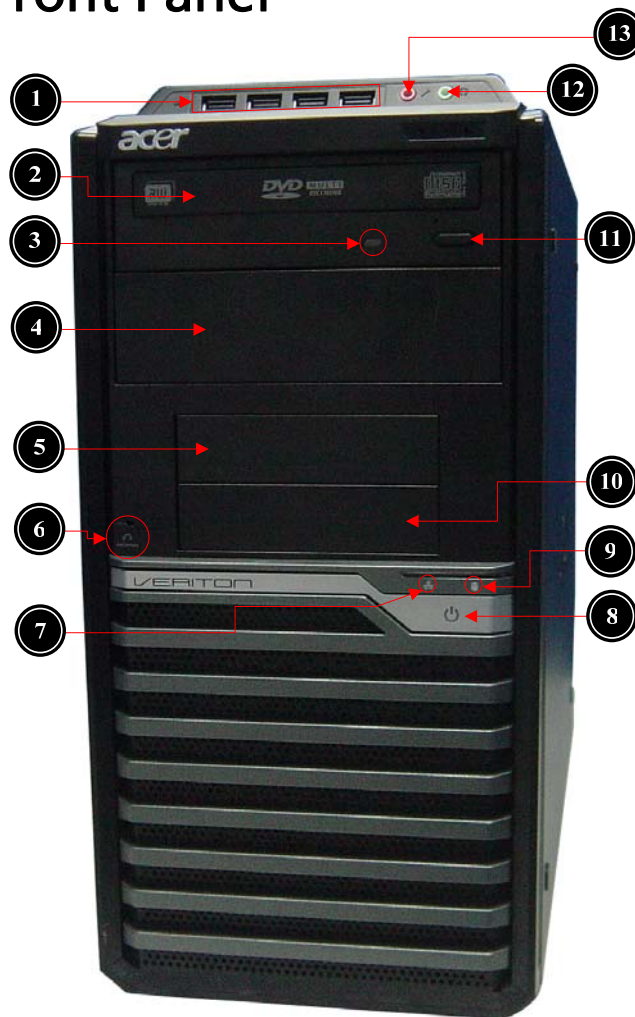
Main board Placement



Block Diagram

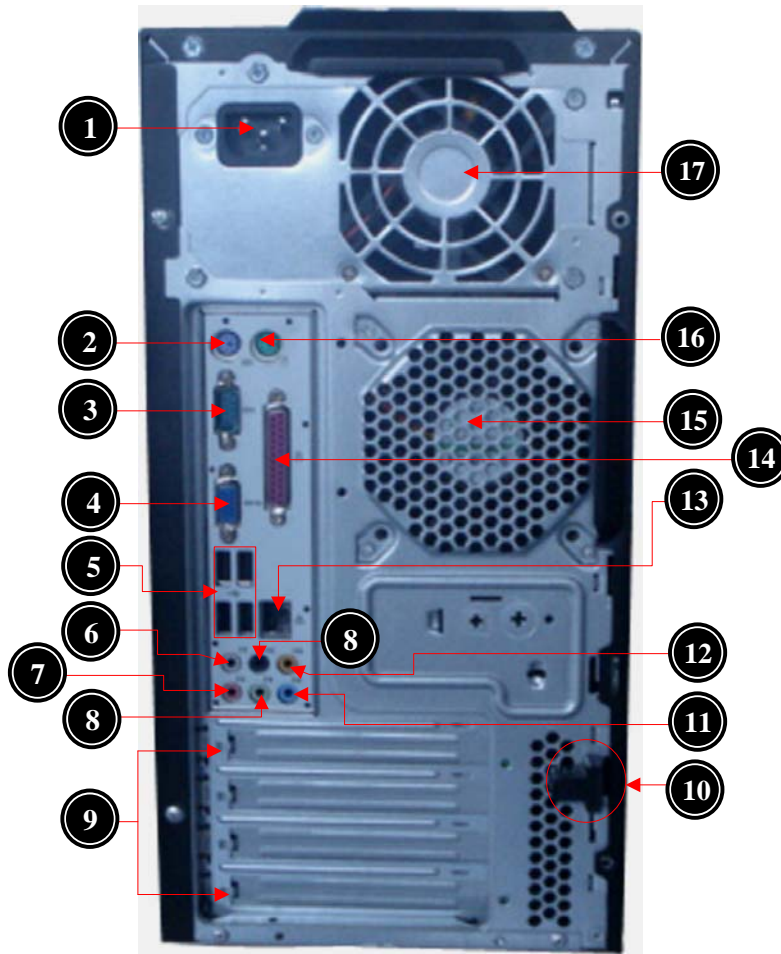


Veriton M265 Front Panel



Label	Description
1	USB ports
2	Master optical drive
3	ODD activity indicator
4	Slave bay door(Slave ODD)
5	Master FDD bay(Optional by SKU FDD>Card Reader>Internal Speaker)
6	Recover jack
7	LAN activity indicator
8	Power button
9	HDD activity indicator
10	Slave bay(Optional by SKU Card Reader>Internal Speaker)
11	Optical drive button
12	Headphone/Speaker-out/line-out jack
13	Microphone-in jack

Veriton M265 Rear Panel



Label	Description	Label	Description
1	Power connector	10	Lock Handle
2	PS2 keyboard port	11	Line-in jack
3	Serial port	12	Center speaker/subwoofer jack
4	VGA port	13	RJ45 LAN connector
5	USB 2.0 ports	14	Parallel port
6	Side Surround jack	15	System Fan
7	Microphone/speaker-out/line-in jack	16	PS2 mouse port
8	Line-out jack	17	Fan aperture
9	Expansion slot (Graphics card and TV tuner card and Mode card etc.)		

Hardware Specifications and Configurations

Processor

Item	Specification
Type	Intel Celeron(Conore L) /Pentium Dual Core / Core 2 Duo / Core2 Quad CPUs
Socket	LGA 775 pin
FSB	800/1066 /1333 MHz
Minimum operating speed	0 MHz (If Stop CPU Clock in Sleep State in BIOS Setup is set to Enabled.)

BIOS

Item	Specification
BIOS code programmer	Phoenix Award or AMI Kernel with Acer skin
BIOS version	V6.0
BIOS ROM type	SPI Flash
BIOS ROM size	4 Mb
Support protocol	PXE 2.1 DMI V.2.0(s)or 2.1 SMBIOS 2.5 ACPI v3.0b
Device Boot Support	<ul style="list-style-type: none">- 1st priority: SATA HDD- 2nd priority: CD-ROM- 3rd priority: FDD- 4th priority: LAN- 5th priority: USB device
Support to LS-120 drive	YES
Support to BIOS boot block feature	YES

BIOS Hotkey List

Hotkey	Function	Description
Del	Enter BIOS Setup Utility	Press while the system is booting to enter BIOS Setup Utility.

Main Board Major Chips

Item	Specification
North Bridge	Intel G31
South Bridge	Intel ICH 7DH
APG controller	Intel G31
Super I/O controller	ITE 8718FX
Audio controller	Realtek HD audio codec ALC888S HD codec 7.1 (co-lay with ALC888S)
LAN controller	RTL8111B
HDD controller	ITE 8718FX
Keyboard controller	ITE 8718FX

Memory Combinations

Slot	Memory	Total Memory
Slot 1	512MB, 1GB, 2GB	512MB~2GB
Slot 2	512MB, 1GB, 2GB	512MB~2GB
Maximum System Memory Supported		512MB~4GB

System Memory

Item	Specification
Memory slot number	2 slot
Support Memory size per socket	512MB/1GB/2GB
Support memory type	DDR2
Support memory interface	DDR2 800MHz
Support memory voltage	1.8V
Support memory module package	240-pin DDR2
Support to parity check feature	Yes
Support to error correction code (ECC) feature	No
Memory module combinations	You can install memory modules in any combination as long as they match the above specifications.

Audio Interface

Item	Specification
Audio controller	Intel ICH 7DH
Audio controller type	ALC888S
Audio channel	codec 7.1
Audio function control	Enable/disable by BIOS Setup
Mono or stereo	Stereo
Compatibility	Sound Blaster Pro/16 compatible Mixed digital and analog high performance chip Enhanced stereo full duplex operation High performance audio accelerator and AC'97 support Full native DOS games compatibility Virtual FM enhances audio experience through real-time FM-to-Wavetable conversionMPU-401 (UART mode) interface for Wavetable synthesizers and MIDI devices Integrated dual game port Meets AC'97and WHQL specifications
Music synthesizer	Yes, internal FM synthesizer
Sampling rate	48 KHz (max.)
MPU-401 UART support	Yes
Microphone jack	Supported
Headphone jack	Supported

SATA Interface

Item	Specification
SATA controller	Intel ICH 7DH
SATA controller resident bus	PCI bus
Number of SATA channel	SATA X 4
Support bootable CD-ROM	YES

Floppy disk drive Interface

Item	Specification
Floppy disk drive controller	ITE 8718FX
Floppy disk drive controller resident bus	ISA bus
Support FDD format	360KB, 720KB, 1.2MB, 1.44MB, 2.88MB

Serial Port

Item	Specification
Serial port controller	ITE 8718FX
Serial port controller resident bus	ISA bus
Number of serial port	2
16550 UART support	Yes
Connector type	9-pin D-type female connector
Optional serial port I/O address (via BIOS setup)	COM1: 2F8h, 3E8h, 2E8h COM2: 3E8h, 3F8h, 2F8h
Optional serial port IRQ (via BIOS setup)	COM1: IRQ 3, and 4 COM2: IRQ 4, and 3

USB Port

Item	Specification
Universal HCI	USB 2.0
USB Class	Support legacy keyboard for legacy mode
USB Connectors Quantity	4 back panel ports 2 ports for front daughter board 2 ports for 3.5" card reader module

Environmental Requirements

Item	Specification
Temperature	
Operating	+5°C ~ +35°C
Non-operating	-20 ~ +60°C (Storage package)
Humidity	
Operating	15% to 80% RH
Non-operating	10% to 90% RH
Vibration	
Operating (unpacked)	5 ~ 500 Hz: 2.20g RMS random, 10 minutes per axis in all 3 axes 5 ~500 Hz: 1.09g RMS random, 1 hour per axis in all 3 axes

Power Management

Devices	S1	S3	S4	S5
Power Button	V	V	V	V
USB Keyboard/Mouse	V	V	N/A	N/A
PME	Disabled	Disabled	Disabled	Disabled
RCT	Disabled	Disabled	Disabled	Disabled
WOR	Disabled	Disabled	Disabled	Disabled

- Devices wake up from S3 should be less than
- Devices wake up from S5 should be less than 10 seconds

Power Management Function (ACPI support function)

Device Standby Mode

- Independent power management timer for hard disk drive devices (0-15 minutes, time step=1 minute).
- Hard disk drive goes into Standby mode (for ATA standard interface).
- Disable V-sync to control the VESA DPMS monitor.
- Resume method: device activated (Keyboard for DOS, keyboard & mouse for Windows).
- Resume recovery time: 3-5 sec.

Global Standby Mode

- Global power management timer (2-120 minutes, time step=10 minute).
- Hard disk drive goes into Standby mode (for ATA standard interface).
- Disable H-sync and V-sync signals to control the VESA DPMS monitor.
- Resume method: Return to original state by pushing external switch button, modem ring in, keyboard and mouse for APM mode.
- Resume recovery time: 7-10 sec.

Suspend Mode

- Independent power management timer (2-120 minutes, time step=10 minutes) or pushing external switch button.
- CPU goes into SMM.
- CPU asserts STPCLK# and goes into the Stop Grant State.
- LED on the panel turns amber colour.
- Hard disk drive goes into SLEEP mode (for ATA standard interface).
- Disable H-sync and V-sync signals to control the VESA DPMS monitor.
- Ultra I/O and VGA chip go into power saving mode.
- Resume method: Return to original state by pushing external switch button, modem ring in, keyboard and mouse for APM mode.
- Return to original state by pushing external switch button, modem ring in and USB keyboard for ACPI mode.

ACPI

- ACPI specification 1.0b.
- S0, S1, S3 and S5 sleep state support.
- On board device power management support.
- On board device configuration support.

System Utilities

The manufacturer or the dealer already configures most systems. There is no need to run Setup when starting the computer unless you get a Run Setup message.

The Setup program loads configuration values into the battery-backed nonvolatile memory called CMOS RAM.

This memory area is not part of the system RAM.

NOTE: If you repeatedly receive Run Setup messages, the battery may be bad/flat. In this case, the system cannot retain configuration values in CMOS.

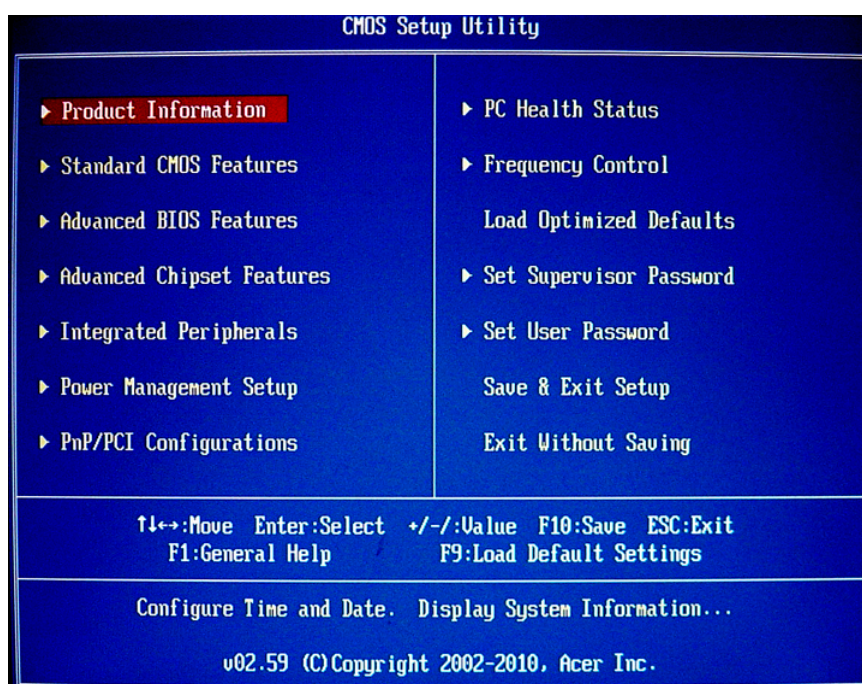
Before you run Setup, make sure that you have saved all open files. The system reboots immediately after you exit Setup.

Setup Utility Menus

Power on the computer and the system will start POST (Power On Self Test) process. When the message of “Press DEL to enter SETUP” appears on the screen, press the key of [Delete] to enter the setup menu.

NOTE: If the message disappears before you respond and you still wish to enter Setup, restart the system by turning it OFF and On. You may also restart the system by simultaneously pressing [Ctrl+ Alt+ Delete].

The Setup Utility main menu then appears:



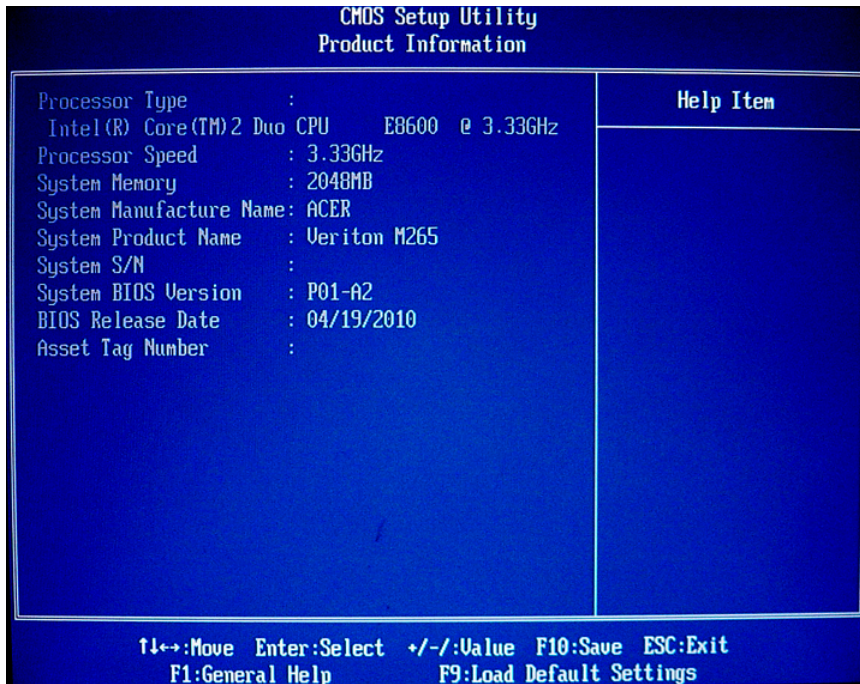
The items in the main menu are explained below:

Parameter	Description
Production Information	This page shows the relevant information of the main board
Standard CMOS Features	This setup page includes all the items in standard compatible BIOS
Advance BIOS Features	This setup page includes all the items of Award special enhanced features
Advance Chipset Features	This setup page includes all advanced chipset features
Integrated Peripherals	This setup page includes all onboard peripherals

Power Management Setup	This setup page includes all the items of Green function features
PnP/PCI Configuration	This setup page includes all configurations of PCI & PnP ISA resources
PC Health Status	This setup page is the System auto detect Temperature, voltage, and fan speed
Frequency Control	This setup page is the System Frequency setup
Load Optimized Defaults	Load Optimized Settings Default Settings indicates the value of the system parameters which the system would be in best performance configuration
Set Supervisor Password	Change, set or disable password. It allows you to limit access to the system and Setup, or just to Setup
Set User Password	Change, set or disable password. It allows you to limit access to the System
Save & Exit Setup	Save CMOS value settings to CMOS and exit setup
Exit Without Saving	Abandon all CMOS value changes and exit setup

Product Information

The screen below appears if you select Product Information from the main menu: The Product Information menu contains general data about the system, such as the product name, serial number, BIOS version, etc. This information is necessary for troubleshooting (maybe required when asking for technical support).

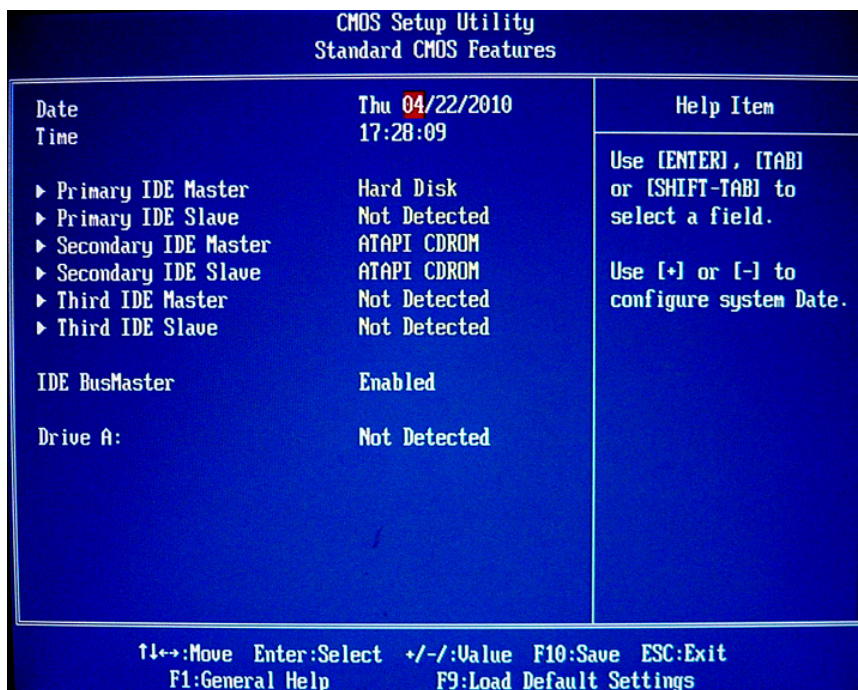


The following table describes the parameters found in this menu:

Parameter	Description
Processor Type	Type of CPU installed on the system.
Processor Speed	Speed of the CPU installed on the system.
System Memory	Total size of system memory installed on the system.
Product Name	Product name of the system
System Serial Number	Serial number of the system.
System BIOS Version	Version number of the BIOS setup utility.
BIOS Release Date	Date when the BIOS setup utility was released
Asset Tag Number	Asset tag number of this system.

Standard CMOS Features

Select standard CMOS features from the main menu to configure some basic parameters in your system the following screen shows the standard CMOS features menu:

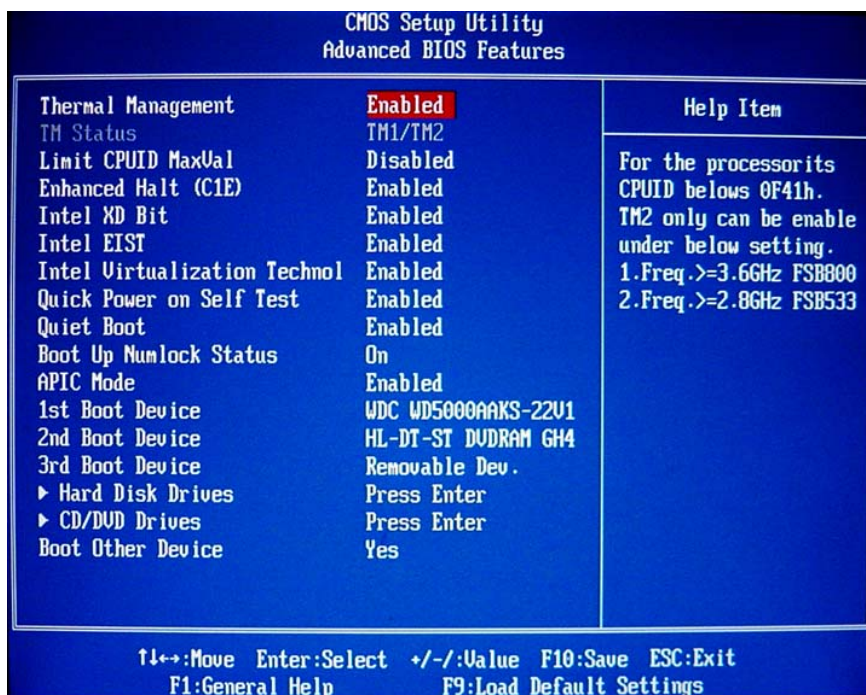


The following table describes the parameters found in this menu.

Parameter	Description	Options
System Date	Set the date following the weekday-month-day-year format.	
System Time	Set the system time following the hour-minute-second format.	
Primary IDE Master/Slave	Allows you to configure the hard disk drive connected to the master port of IDE channel. To enter the IDE Master or Slave setup, press [Enter]. The IDE CD-ROM is always automatically detected.	
Secondary IDE Master/Slave		
Third IDE Master/Slave		
IDE BusMaster	When enabled, BIOS uses PCI bus-mastering for reading/writing to IDE drives.	Enabled Disabled
Drive A	The category identifies the types of floppy disk drive A that has been installed in the computer..	Disabled 720 KB 3.5 inch 1.44 MB 3.5 inch 2.88 MB 3.5 inch Not Detected

Advanced BIOS Features

The following screen shows the Advanced Setup:

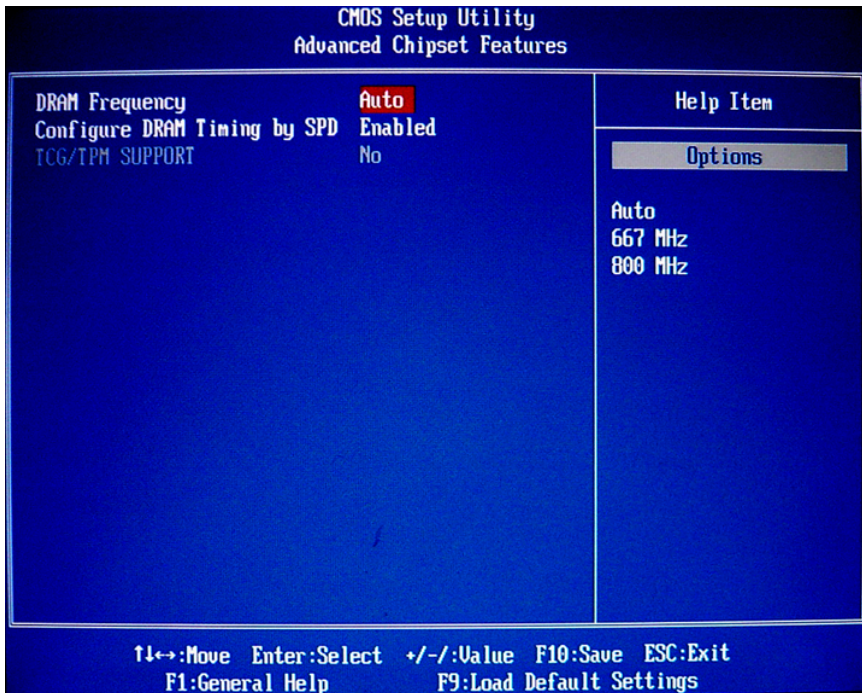


The following table describes the parameters found in this menu.

Parameter	Description	Options
Thermal Management	For the Processor its CPUID bellows 0F41h. TM2 only can be enable under below setting. 1. Freq.>=3.66GHz FSB800 2. Freq.>=2.86GHz FSB533	Enabled Disabled
Enhanced Halt (C1E)	This should be enabled in order to enable or disable "Enhanced Halt sate.	Enabled Disabled
Intel XD Bit	When enabled, the processor disables code execution when a worm attempts to insert a code in the buffer preventing damage and worm propagation.	Enabled Disabled
Intel EIST	When enabled, this feature allows the OS to reduce power consumption. When disabled, the system operates at maximum CPU speed.	Enabled Disabled
Intel Virtualization Technology	Enables or disables the Virtualization Technology (VT) availability. If enabled, a virtual machine manager (VMM) can utilize the additional hardware virtualization capabilities provided by this technology. Note: A full reset is required to change the setting.	Enabled Disabled

Quick Power On Self Test	This feature allows the system to skip certain tests while booting. When this function is enabled, it will decrease the time needed to boot the system, which means to quick power on self test function	Enabled Disabled
Quiet Boot	When enabled, the BIOS splash screen displays during startup. When disabled, the diagnostic screen displays during startup.	Enabled Disabled
Boot Up NumLock Status	Sets the NumLock status when the system is powered on. Setting to On will turn on the NumLock key when the system is powered on. Setting to Off will allows users to use the arrow keys on the numeric keypad.	On Off
APCI Mode	This item allows you to enable or disable the APIC (Advanced Programmable Interrupt Controller) mode. APIC provides symmetric multi-processing (SMP) for systems.	Enabled Disabled
1st/2nd/3rd Boot Device	Specifies the boot order from the available devices.	Hard Disk DVD Removable
Hard Disk Drive	Press Enter to access the Hard Disk Drive Priority submenu and specify the boot device priority sequence from available hard drives.	
CD/DVD Drive	Press Enter to access the Removable Device Priority submenu and specify the boot device priority sequence from available removable drives.	
Boot Other Device	When it is enabled, the system searches all other possible locations for an operating system. If it fails to find on in the devices specified under the first, second, and third boot devices.	Yes No

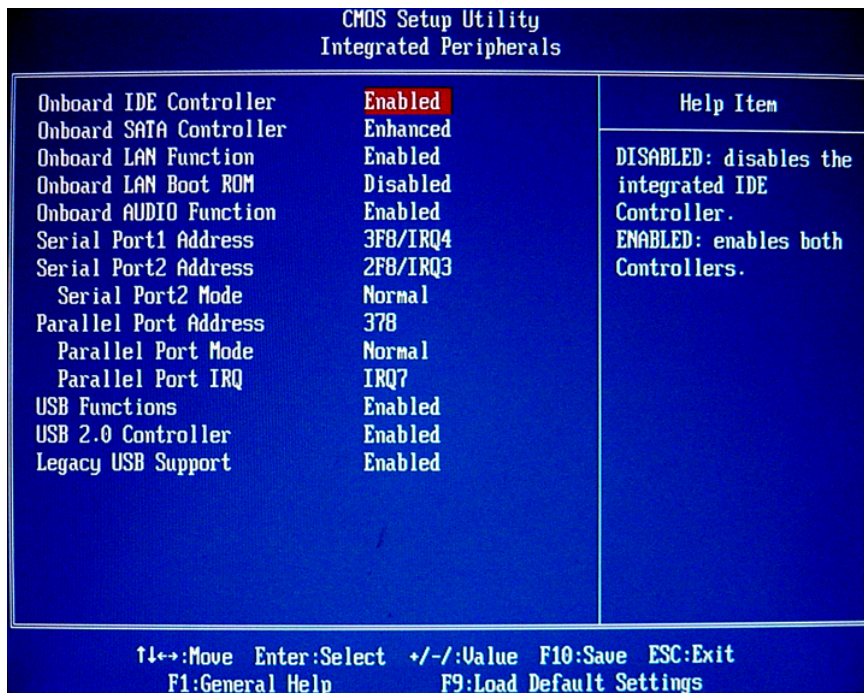
Advanced Chipset Features



The following table describes the parameters found in this menu.

Parameter	Description	Options
DRAM frequency	This item allows you to select CPU frequency of the system.	Auto 667Mhz 800MHZ
Configure DRAM Timing by SPD	This item allows DRAM Timing in accordance with SPD were determined automatically by the BIOS configuration	Enabled Disabled

Integrated Peripherals



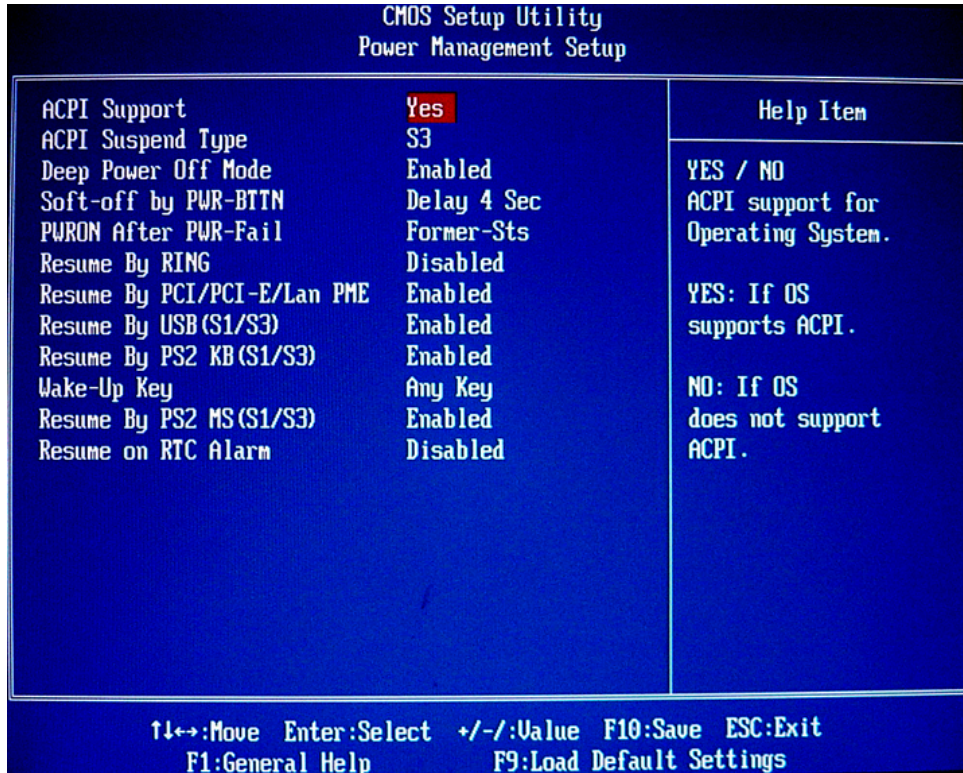
The following table describes the parameters found in this menu.

Parameter	Description	Options
Onboard IDE Controller	Enables or disables the onboard IDE controller.	Enabled Disabled
Onboard SATA Controller	Enables or disables the onboard SATA controller.	Enabled Disabled
Onboard LAN Function	Enables or disables the onboard LAN function.	Enabled Disabled
Onboard LAN Boot ROM	Enables or disables the load of embedded option ROM for onboard network controller.	Enabled Disabled
Onboard AUDIO Function	Enables or disables the onboard AUDIO function.	Enabled Disabled
Serial Port1 Address	Use this item to enable or disable the onboard COM1 serial port, and to assign a port address.	Disabled 3F8/IRQ4 2F8/IRQ3 3E8/IRQ4 2E8/IRQ3
Serial Port2 Mode	Select mode for Serial Port2	Normal IrDA ASK IR

Parallel Port Address	Use this item to enable or disable the onboard Parallel port, and to assign a portaddress.	Disabled 378 278 3BC
Parallel Port Mode	Use this item to select the parallel port mode. You can select Normal (Standard Parallel Port), ECP (Extended Capabilities Port), EPP (Enhanced Parallel Port), or BPP (Bi-Directional Parallel Port).	Normal EPP ECP EPP+ECP
Parallel Port IRQ	Use this item to assign IRQ to the parallel port.	IRQ5 IRQ7
USB 2.0 Controller	This BIOS feature enables or disables the motherboard's onboard USB 2.0 controller	Enabled Disabled
Legacy USB Support	Enables or disables support for legacy USB devices.	Enabled Disabled

Power Management Setup

The Power Management menu lets you configure your system to most effectively save energy while operating in a manner consistent with your own style of computer use. The following screen shows the Power Management parameters and their default settings:

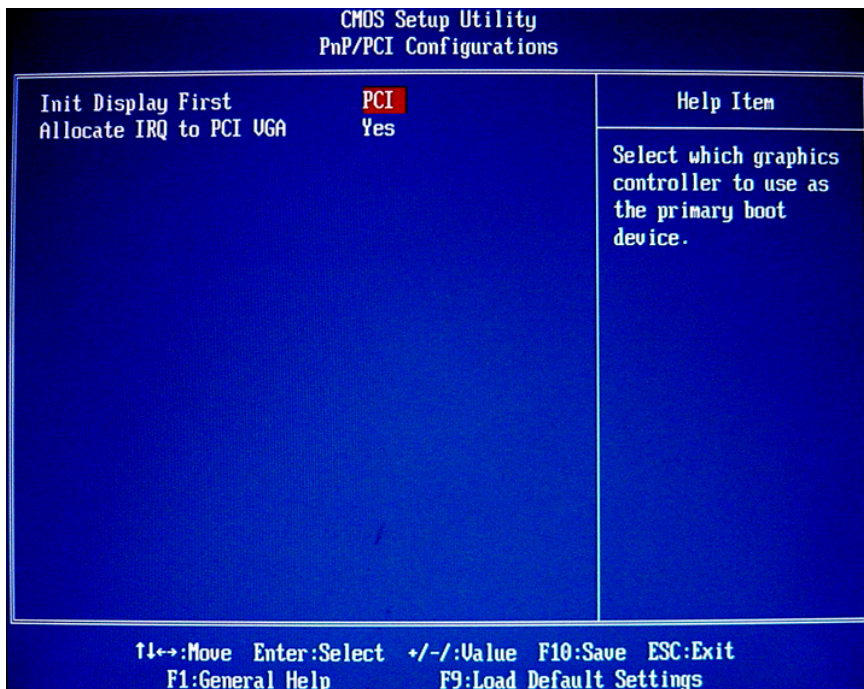


The following table describes the parameters found in this menu.

Parameter	Description	Options
ACPI Function	This item allows users to enable or disable the ACPI power management function.	Yes No
ACPI Suspend Type	You can use this item to define how your system suspends.	S1 S3 Auto
Deep power off mode	Deep power off Mode for Euplot6 setting. Disabled: OFF. Enabled: ON.	Enabled Disabled
Soft-Off by PWR-BTTN	This item specifies how long you must press and hold down the power button before the system is shut down. Instant-off: Turns off the system instantly. Delay 4 Sec.: Turns off the system after a 4-second delay.	Instant-off Delay 4 Sec

PWRON After PWR-Fail	This item allows you to select if you want to power on the system after power failure.	Power Off Power On Former-Sts
Resume by RING	Enables or disable to wake the system by ring function.	Enabled Disabled
Resume by PCI/PCI-E/Lan PME	Enables or disable PME to generate a wake event.	Enabled Disabled
Resume by USB(S1/S3)	Enables or disable USB device wakeup from S1/S3.	Enabled Disabled
Resume by PS2 KB(S1/S3)	This option allows the activity of the PS2 keyboard to wake up the system from S1/S3 status.	Enabled Disabled
Resume by PS2 MS(S1/S3)	This option allows the activity of the PS2 mouse to wake up the system from S1/S3 status.	Enabled Disabled
Power On RTC Alarm	Enables or Disables to wake up the system by RTC Alarm Function.	Enabled Disabled

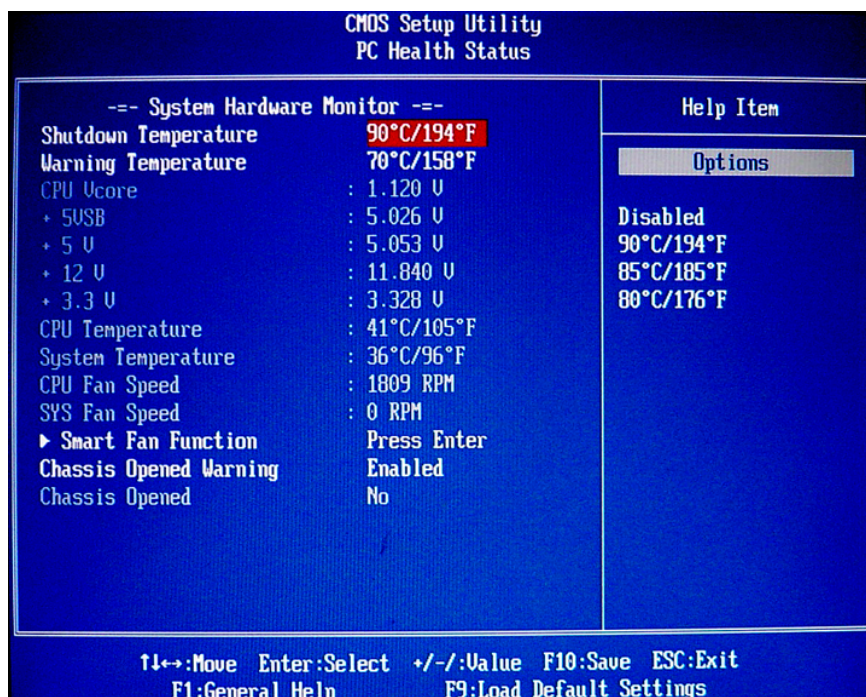
PnP/PCI Configuration



The following table describes the parameters found in this menu.

Parameter	Description	Options
Init Display First	This item is used to select whether to initialize the VGA or PCI first when the system boots.	PCI PCI-Express
Allocate IRQ to VGA	Card If need to assigns IRQ to PCI VGA card	Yes No

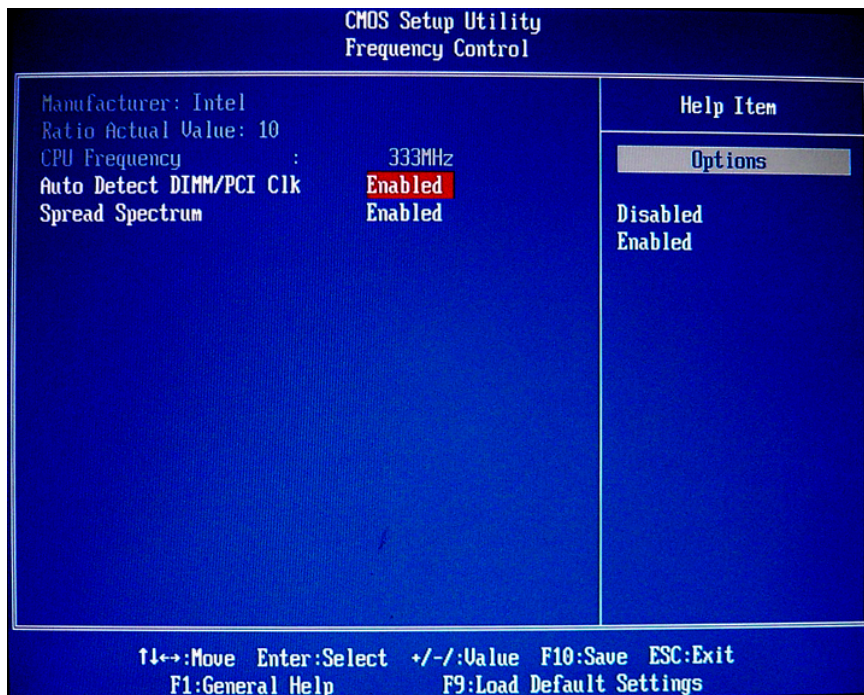
PC Health Status



The following table describes the parameters found in this menu:

Parameter	Description	Options
Shutdown Temperature	This feature allow to set the Shutdown temperature.	
Warning Temperature	This item lets you select the temperature at which you want the system to send out a warning message to the PC speakers of when the temperature goes beyond either limit.	
Smart FAN Function	Press Enter to Set up the smart system fan and CPU fan control function.	
Chassis Opened Warning	This item enables/disables support the boot from USB mass storage devices.	Enabled Disabled Clear
Chassis opened	This item indicates whether the case has been opened.	Yes No

Frequency Control

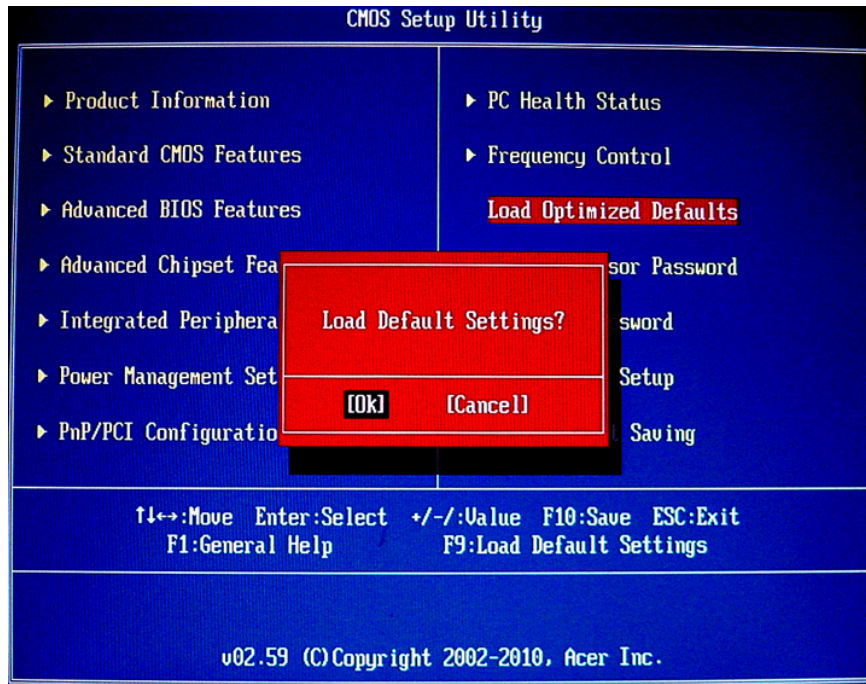


The following table describes the parameters found in this menu:

Parameter	Description	Options
Auto Detect DIMM/PCI CLK	To reduce the occurrence of electromagnetic interference (EMI), the BIOS detects the presence or absence of components in DIMM and PCI slots and turns off system clock generator pulses to empty slots.	Enabled Disabled
Spread Spectrum	Enables or disables the reduction of the mainboard's EMI. Note: Remember to disable the Spread Spectrum feature if you are overclocking. A slight jitter can introduce a temporary boost in clock speed causing the overclocked processor to lock up.	Enabled Disabled

Load Optimized Defaults

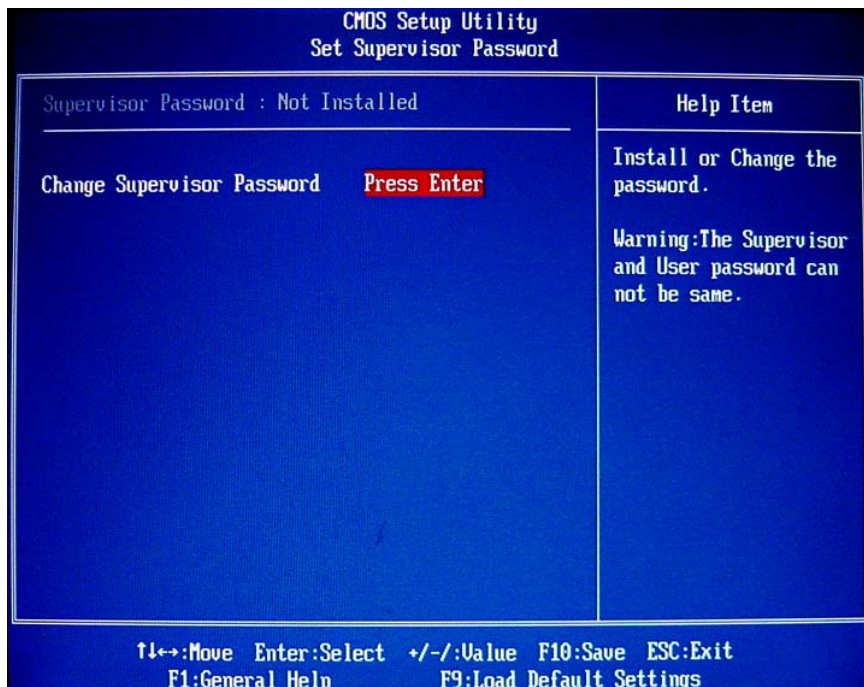
This option opens a dialog box that lets you install defaults for all appropriate items in the Setup Utility.



Parameter	Description	Options
Load Default Settings	Select the field loads the factory defaults for BIOS and Chipset Features, which the system automatically detects. This option opens a dialog box that lets you install optimized defaults for all appropriate items in the Setup Utility.	

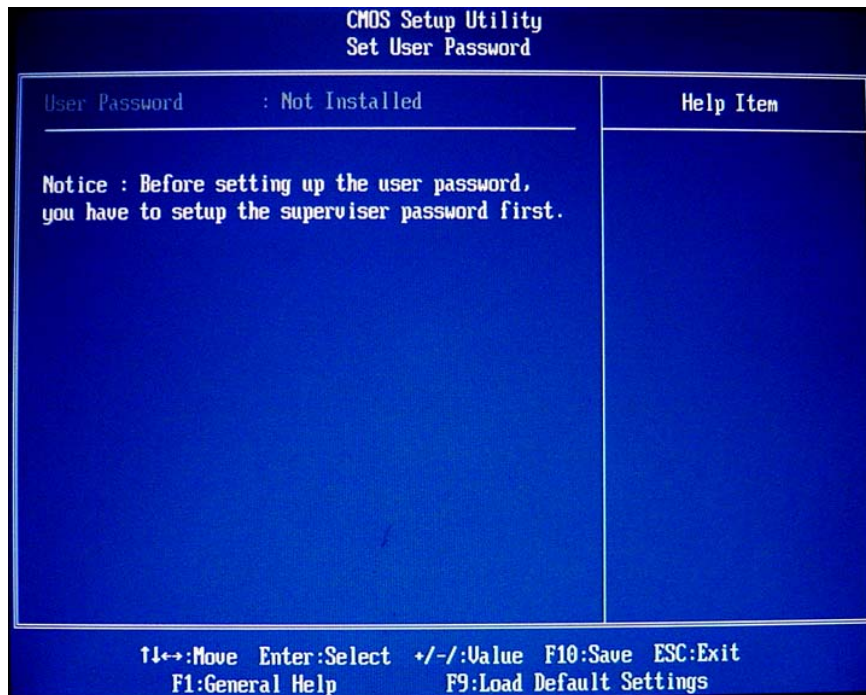
Set Supervisor Password

When this function is selected, the following message appears at the center of the screen to assist you in creating a password.



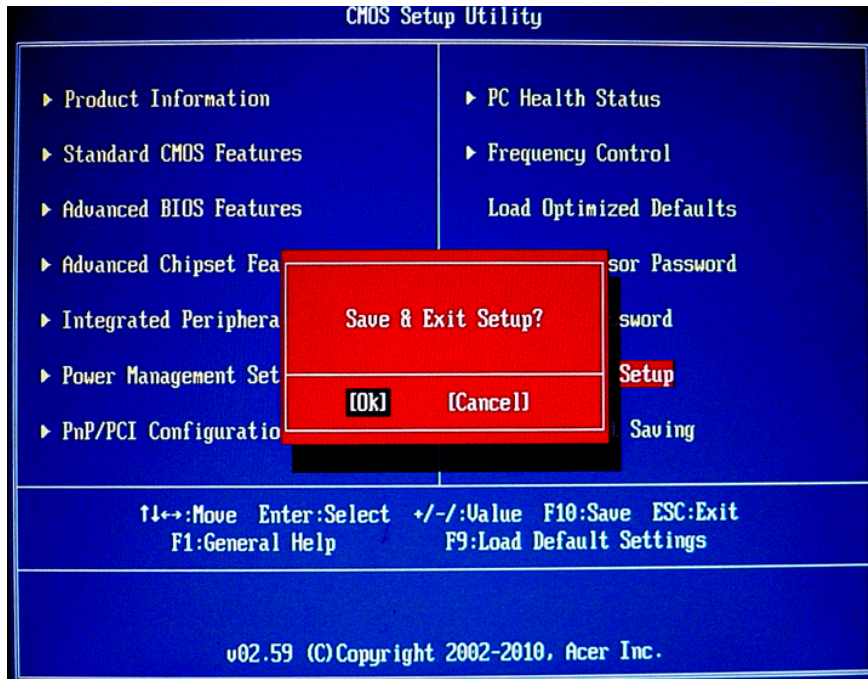
Parameter	Description	Options
Set Supervisor/User Password	<p>When this function is selected, the following message appears at the center of the screen to assist you in creating a password.</p> <p>ENTER PASSWORD</p> <p>Type the password, up to eight characters, and press<Enter>. The password typed now will clear any previously entered password from CMOS Memory. You will be asked to confirm the password. Type the password again and press <Enter>. You may also press<ESC> to abort the selection.</p> <p>PASSWORD DISABLED</p> <p>To disable password, just press<Enter> when you are prompted to enter password with empty. A message will confirm the password being disabled.</p> <p>If you have selected "System" in "Security Option" of "BIOS Feature Setup" menu, you will be prompted for the password every time the system reboots or any time you try to enter BIOS Setup. If you have selected "Setup" at "Security Option" from "BIOS Features Setup" menu, you will be prompted for the password only when you enter BIOS Setup.</p> <p>Supervisor Password has higher priority than User Password. You can use Supervisor Password when booting the system or entering BIOS Setup to modify all settings.</p>	

Set User Password



Save & Exit Setup

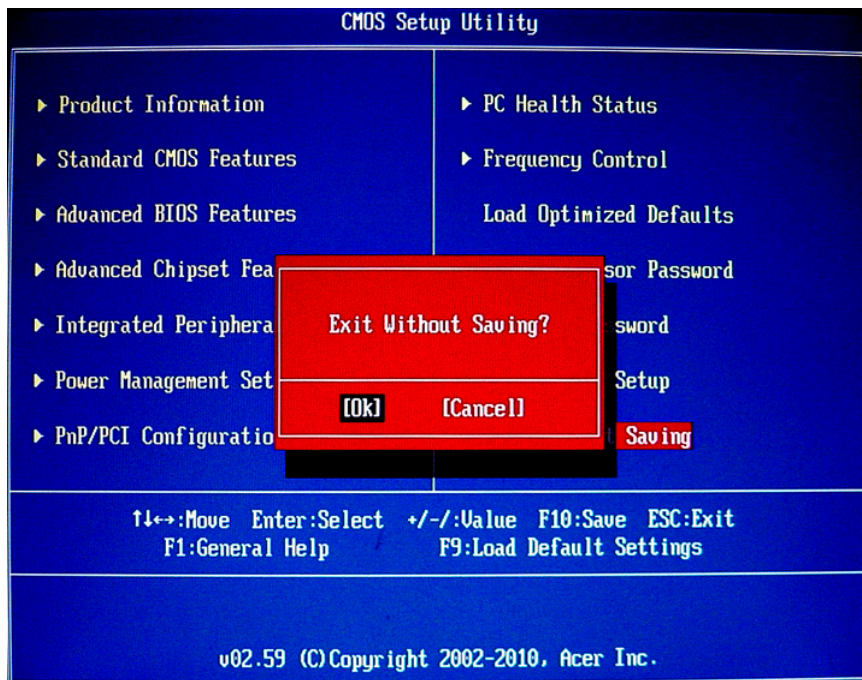
Highlight this item and press <Enter> to save the changes that you have made in the Setup Utility and exit the Setup Utility.



Parameter	Description	Options
Save & Exit Setup	Press <Enter> to save the changes that have made in the Setup Utility and exit the Setup Utility. Press<Y> to save and Exit or <N> to return to the main menu.	

Exit Without Saving

Highlight this item and press <Enter> to discard any changes that you have made in the Setup Utility and exit the Setup Utility.



Parameter	Description	Options
Exit Without Saving	Press<Enter> to discard any changes and exit the Setup Utility	

Machine Disassembly and Replacement

To disassemble the computer, you need the following tools:

Wrist grounding strap and conductive mat for preventing electrostatic discharge.

Wire cutter.

Phillips screwdriver (may require different size).

NOTE: The screws for the different components vary in size. During the disassembly process, group the screws with the corresponding components to avoid mismatches when putting back the components.

General Information

Before You Begin

Before proceeding with the disassembly procedure, make sure that you do the following:

1. Turn off the power to the system and all peripherals.
2. Unplug the AC adapter and all power and signal cables from the system

Disassembly Procedure

This section tells you how to disassemble the system when you need to perform system service. Please also refer to the disassembly video, if available.

CAUTION: Before you proceed, make sure you have turned off the system and all peripherals connected to it.

Veriton M265 Standard Disassembly

Process Bezel

Process:

1. According to the requirement, paste ATI, OS, CPU, HDMI and marketing label by SKU.

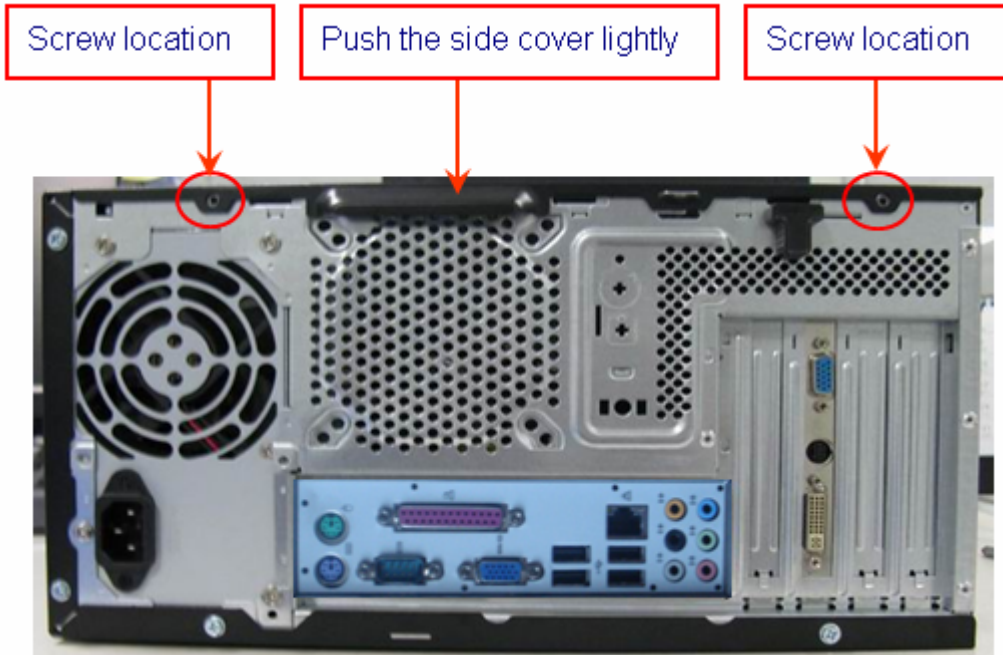
Veriton M265



Remove side cover

Process:

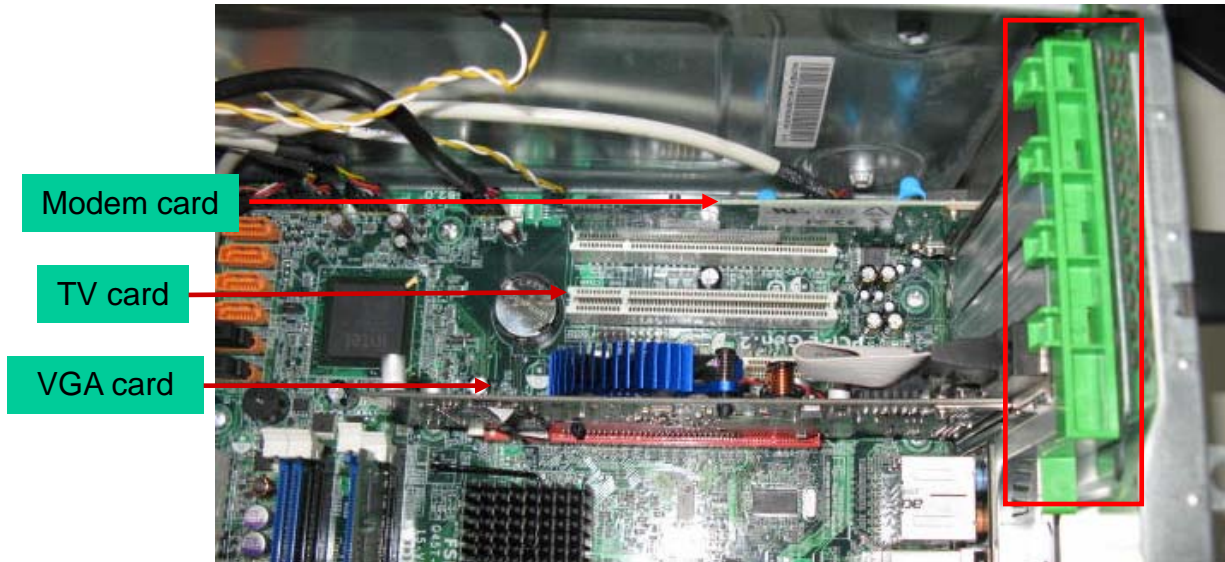
1. Put the Computer on the worktable lightly.
2. Release left side cover with 2 screws then remove left side cover.



Remove Cards

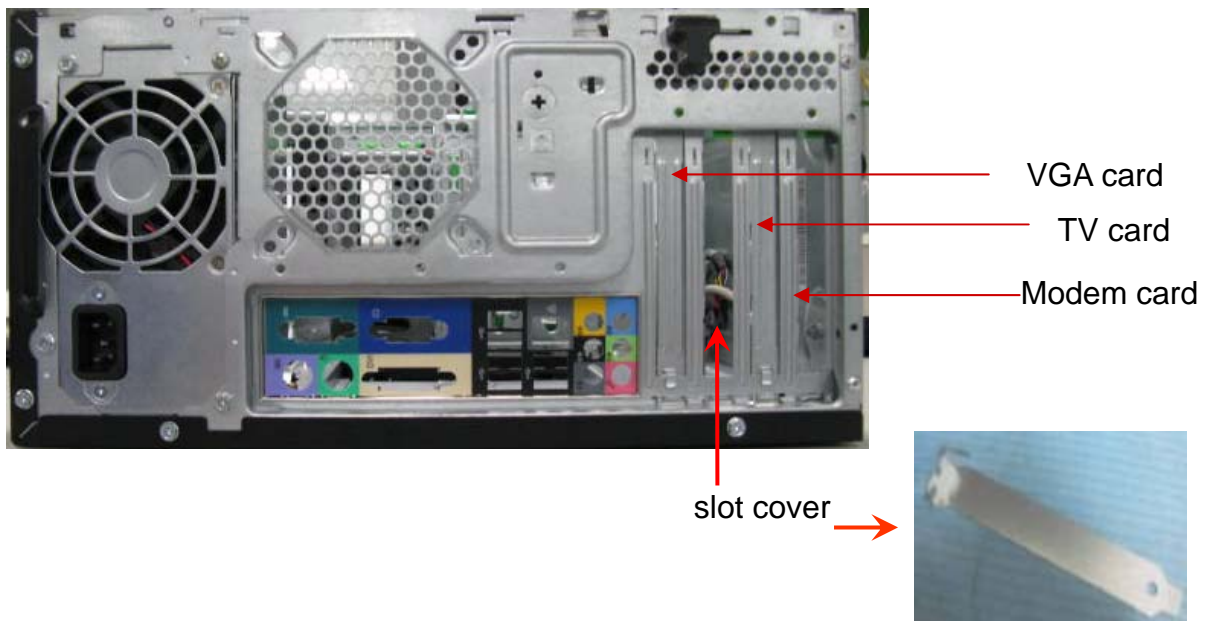
Process:

1. Release the slot cover tooless
2. Remove VGA , TV , Modem Card , the following list is for your reference about the mutual location relation (Optional by SKU).



Notice:

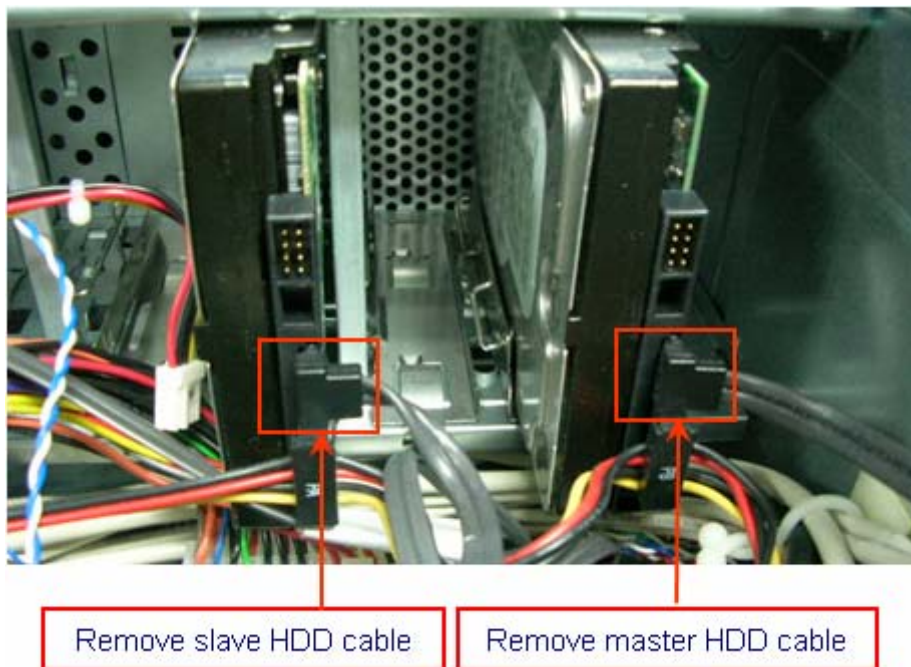
- I. Remove card, don't touch any electric parts on PCB.



Remove HDD Data Cables

Process:

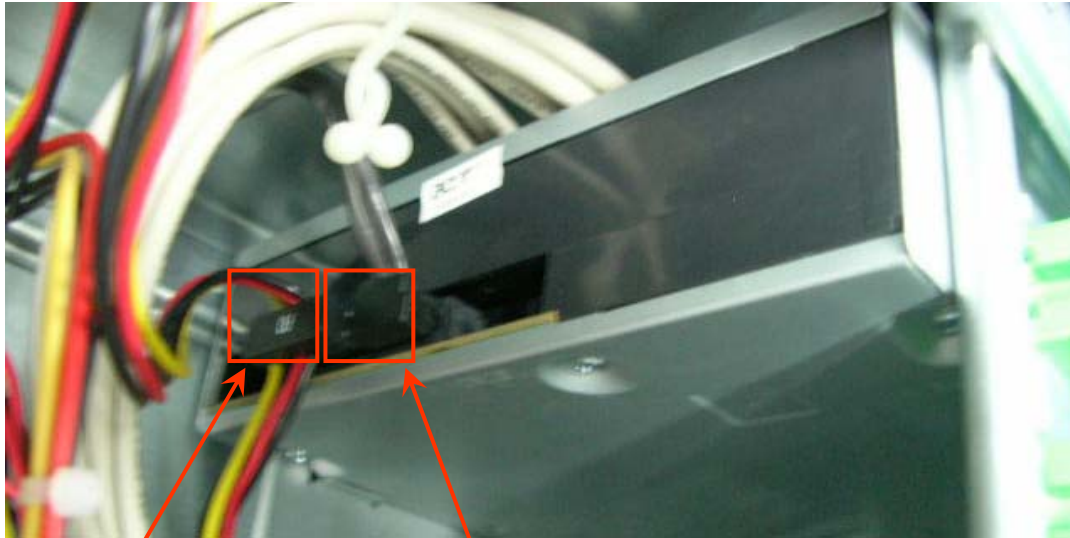
1. Remove master HDD data cable from M/B SATA1/SATA3.
3. Remove slave HDD data cable from M/B SATA2.



Remove ODD DATA cable

Process:

1. Remove master ODD data/power cable from Master ODD.



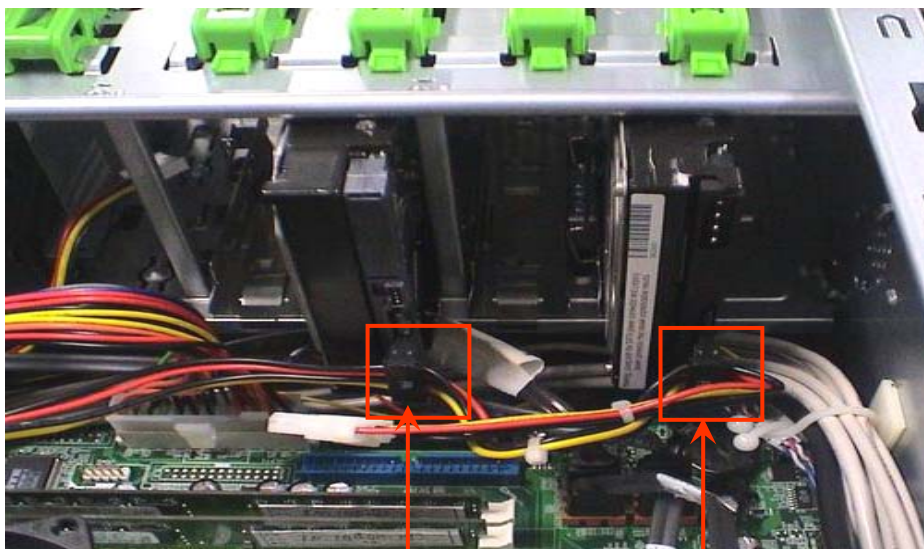
Remove master ODD
Power Cable

Remove master
ODD Data Cable

Remove HDD power cable

Process:

1. Remove master HDD data cable from master HDD.
2. Remove slave HDD data cable from slave HDD



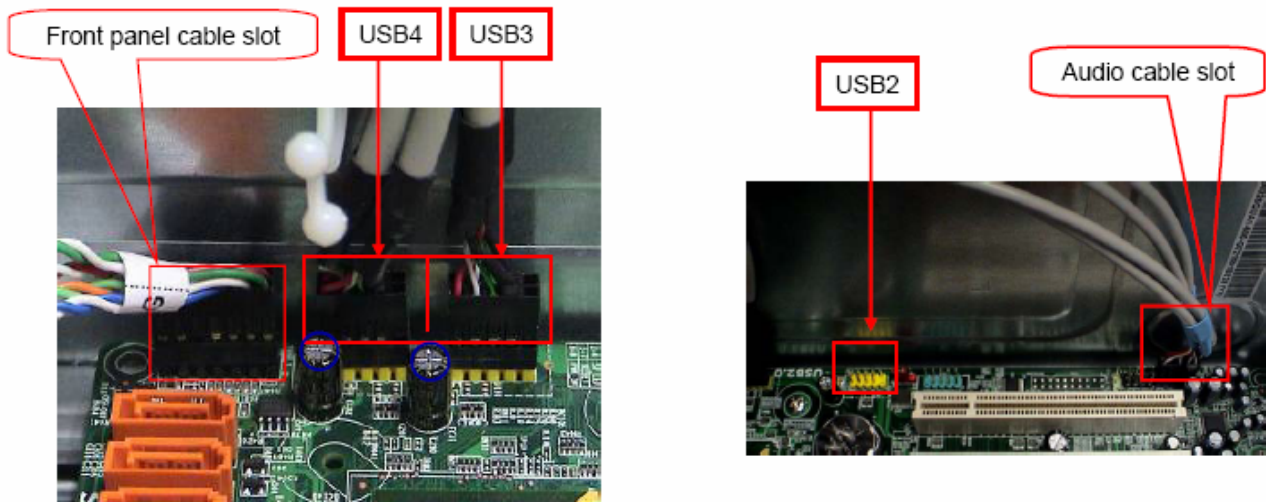
Remove slave HDD

Remove master HDD

Remove Cables

Process:

1. Remove front panel light cable from "PANEL1" slot of M/B.
2. Remove USB1 cable from M/B "F_ USB3".
3. Remove USB2 cable from M/B "F_ USB4".
4. Remove Card reader cable from M/B "USB2".
5. Remove audio cable from the "AUDIO" port on M/B.



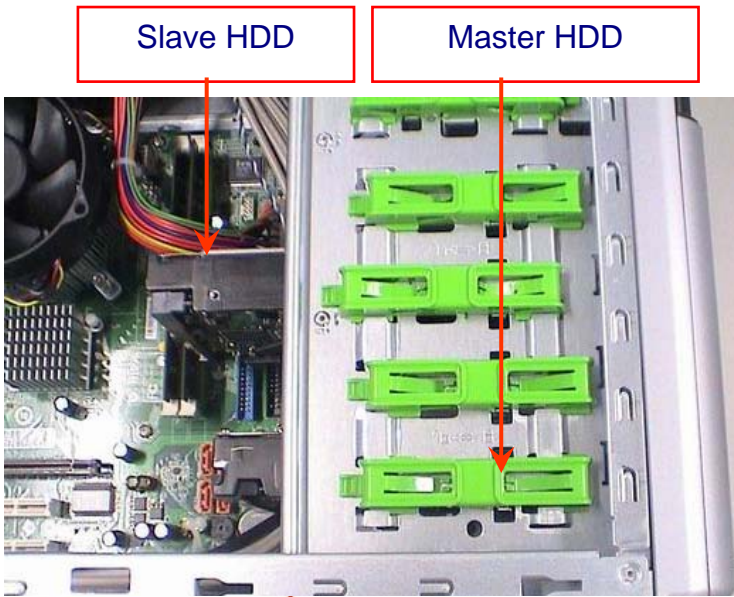
Notice:

- I. Recovery switch cable is next to FDD port, and the black cable face to the top of Chassis.
- II. Intrusion switches cable face to front bezel of chassis.

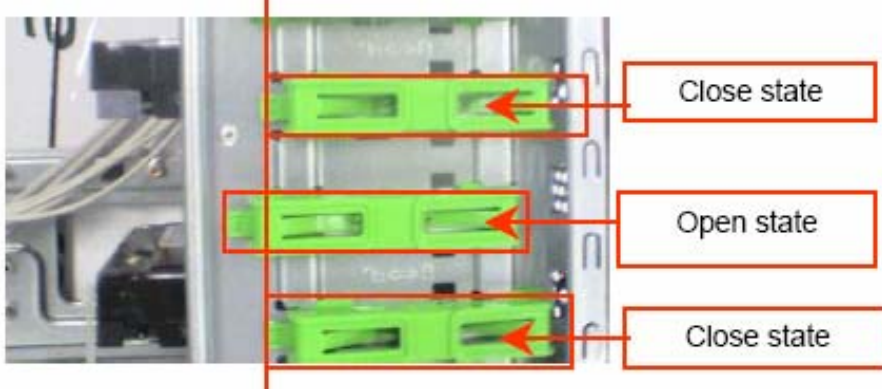
Remove HDD

Process:

1. Remove Master HDD from the first HDD location.
2. Remove Slave HDD from the second HDD location. (Optional by SKU)



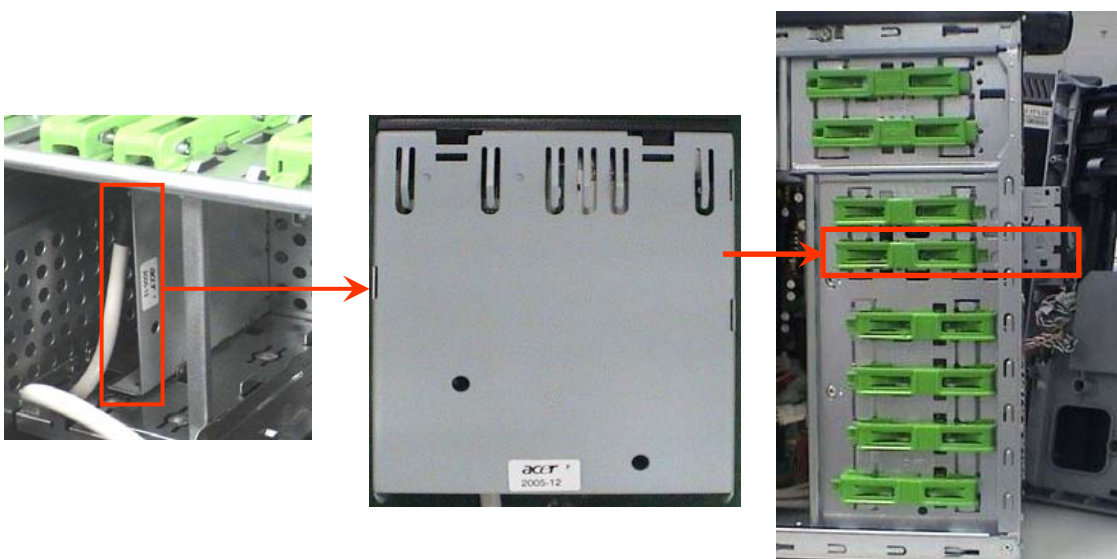
Port Num	SATA1	SATA2	SATA3	SATA4
1HDD	✓			
2HDDs	✓		✓	
1ODD		✓		
2ODDs		✓		✓



Remove card reader

Process:

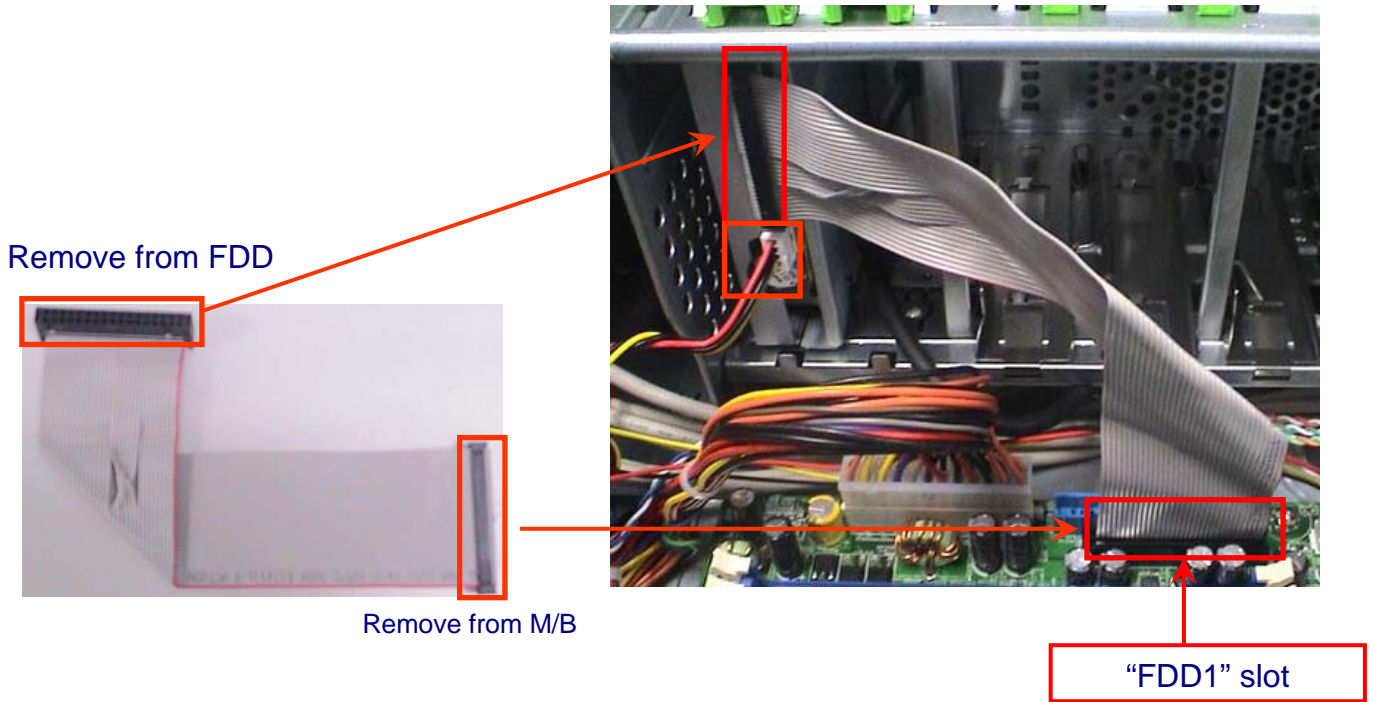
1. Remove card reader from chassis.



Remove FDD Cable

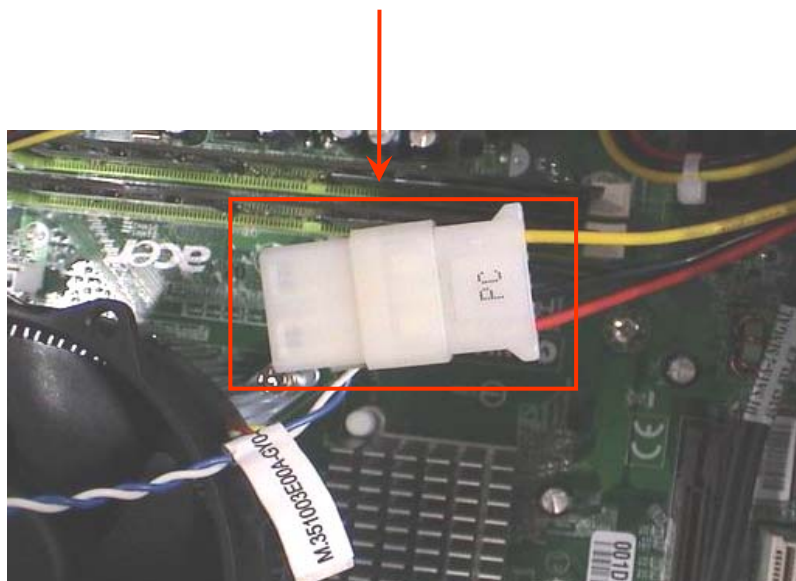
Process:

1. Remove FDD digital cable just as pictures (Optional by SKU).
2. Plug 4 pins power cord from FDD slot.



3. Remove front bezel light cable from PATA power cable

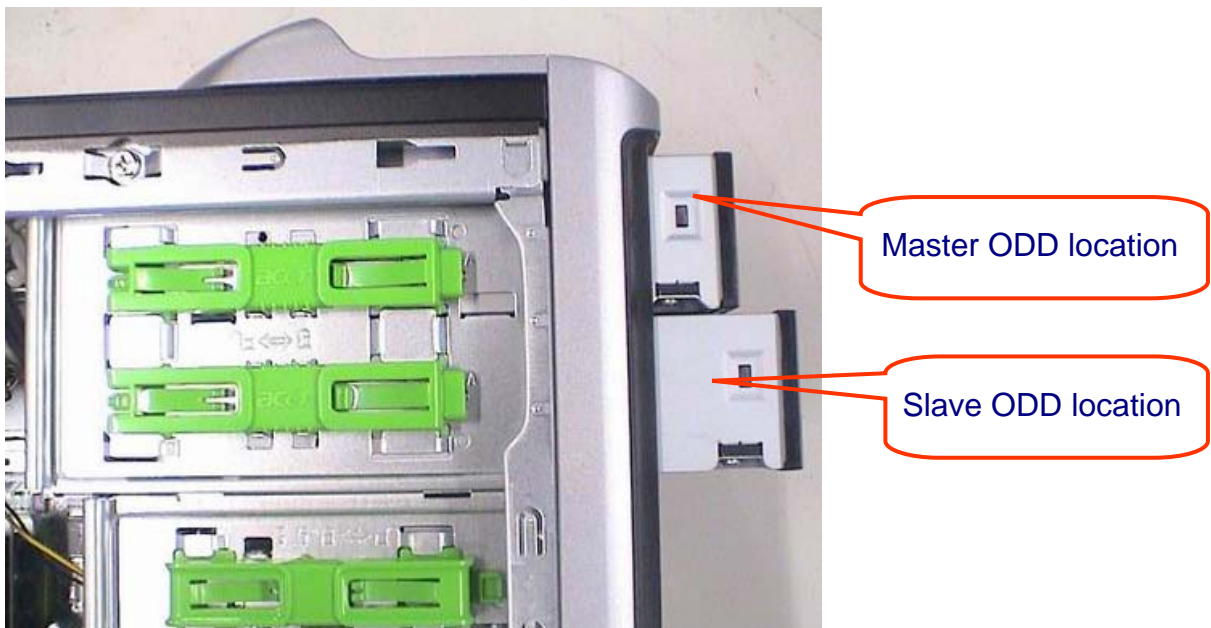
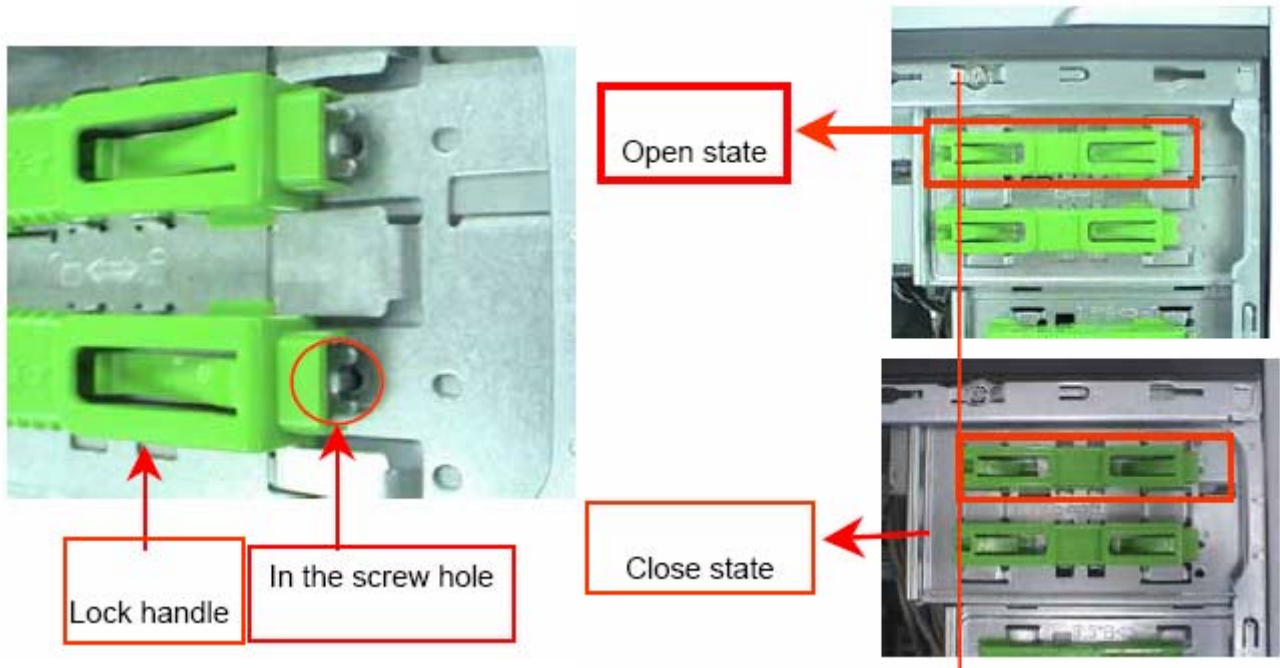
Remove Front bezel light cable



Remove ODD

Process:

1. Push the lock handle release ODD.
2. Remove Master ODD from the location.
3. Remove slave ODD from the location. (Optional by SKU)



Remove Cables

Process:

1. Remove M/B power cable from M/B "ATX1".
2. Remove 12 V power cable from M/B" JPW1"
3. Remove System Fan cable from M/B"SYS-F2".

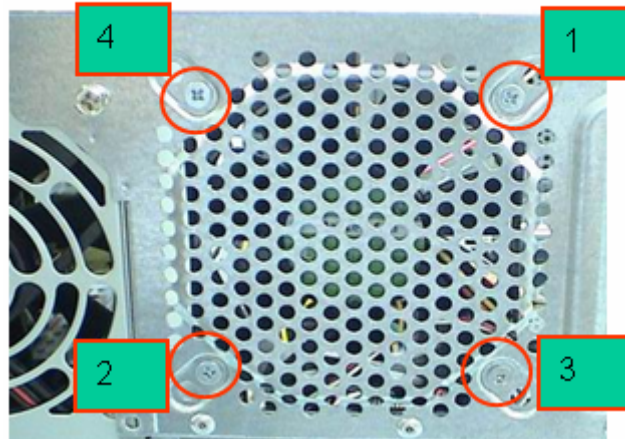


Remove System FAN

Process:

1. Release four screws according to the following picture.
2. Remove Sys FAN (Optional by SKU)

Release four screws.



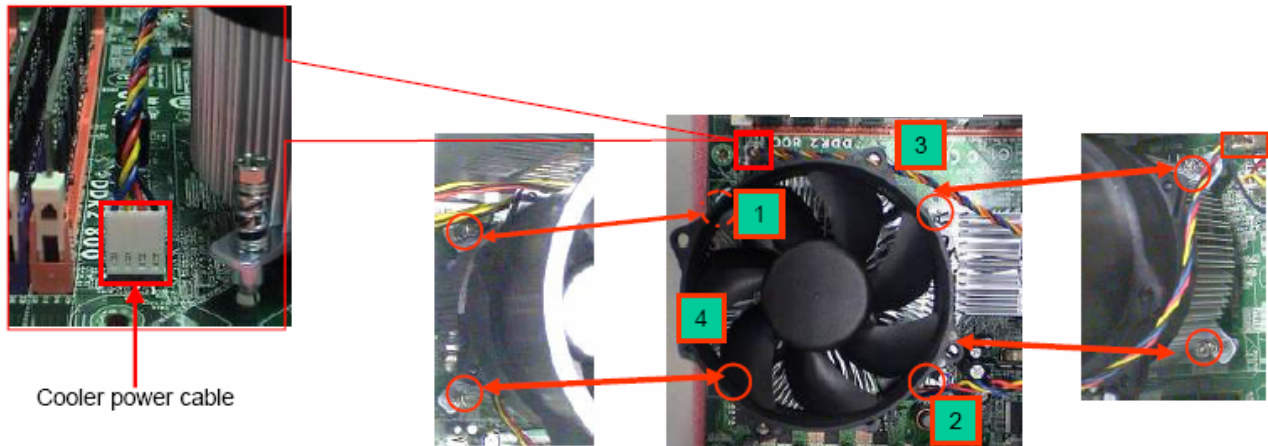
The direction of System FAN



Remove CPU cooler

Process:

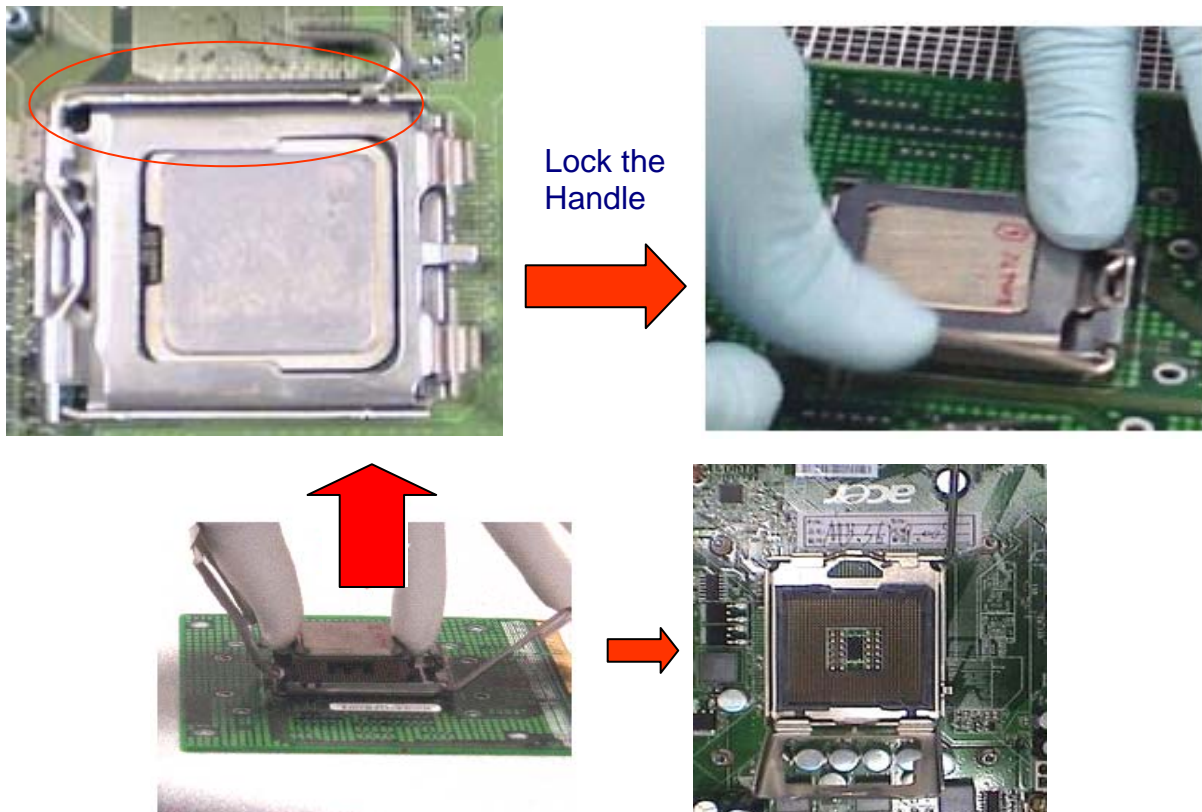
1. Remove cooler power cable from M/B "CPU-F2".
2. Release screw 1 first, then fix screw 2, screw 3 & screw 4 (As Picture).
3. Remove Cooler from the Retention module.



Remove CPU

Process:

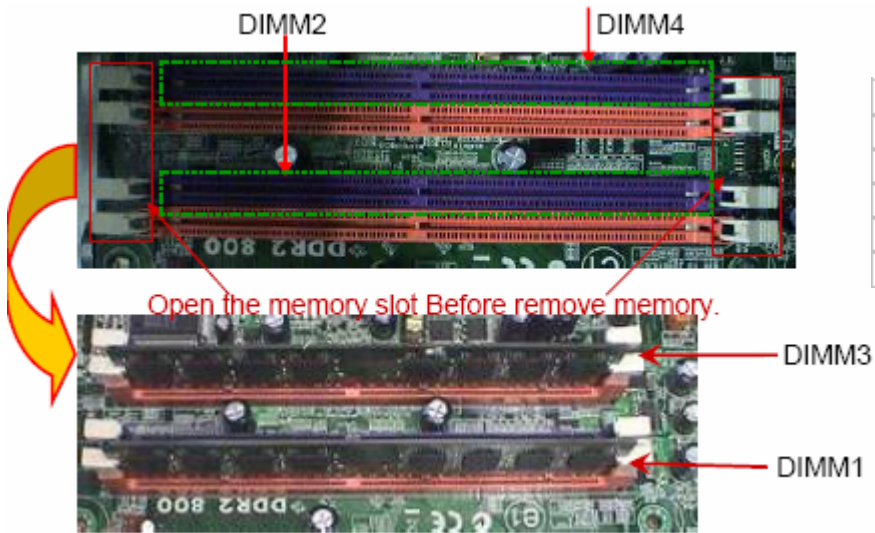
1. Remove CPU according following the pictures.



Remove memory

Process:

1. Remove the first Memory from DIMM.
2. Remove the second Memory from DIMM2 (Optional by SKU).

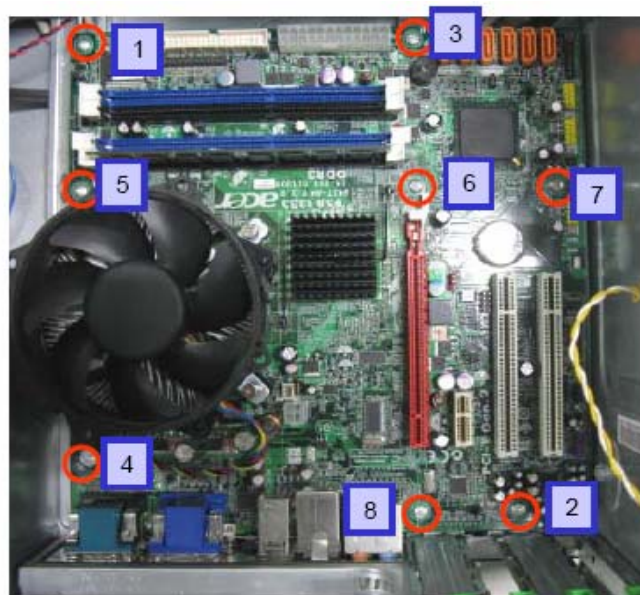


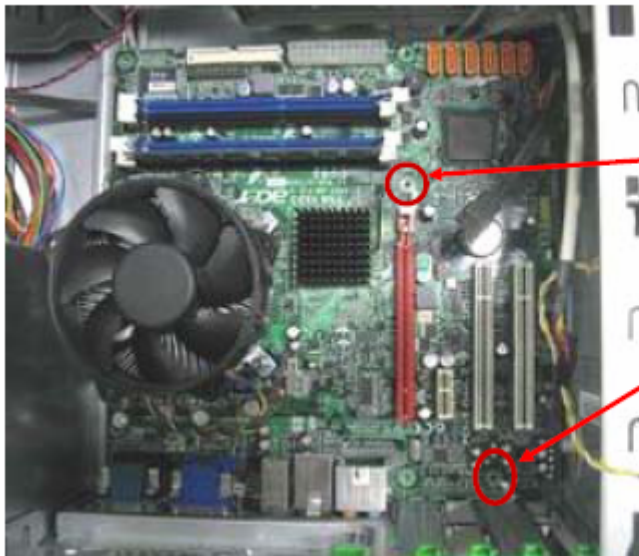
DIMM 1	DIMM 2	DIMM 3	DIMM 4
A		B	
A		A	
A	B	A	
B	A	B	
A	B	A	B

Remove mother board

Process:

1. Release 8 pcs screws form the corresponding hole.
2. Release screws according to the following picture in turn.
3. Remove the Mother board from chassis.





Raised platform

Remove I/O shielding

Process:

1. Remove I/O Shielding.



Troubleshooting

Please refer to generic troubleshooting guide for troubleshooting information relating to following topics:

- Power-On Self-Test (POST)
- POST Check Points
- POST Error Messages List
- Error Symptoms List


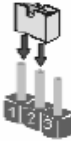
Jumper and Connector Information

Jumper Setting


This section explains how to set jumpers for correct configuration of the mainboard.

Setting Jumper

Use the motherboard jumpers to set system configuration options. Jumpers with more than one pin are numbered. When setting the jumpers, ensure that the jumper caps are placed on the correct pins.

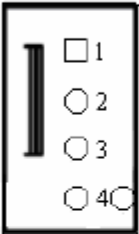
Description	Illustration
The illustrations show a 2-pin jumper. When the jumper cap is placed on both pins, the jumper is SHORT. If you remove the jumper cap, or place the jumper cap on just one pin, the jumper is OPEN.	 <p>SHORT OPEN</p>
This illustration shows a 3-pin jumper. Pins 1 and 2 are SHORT	

Clear CMOS

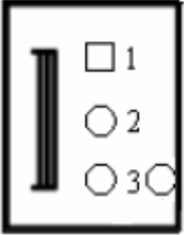
Jumper	Type	Description	Setting(Default)	Illustration
CLR_CMOS	3-pin	CLEAR CMOS	1-2 : Clear 2-3 : Normal Before clearing the CMOS,make sure to turn off the system	<p>Clear CMOS</p>  <p>1</p>

Checking Connector

CPU_FAN: CPU Cooling Fan Connector

	Pin	Signal Name	Function
	1	GND	System Ground
	2	+12V	Power +12V
	3	Sense	Sensor
	4	Control	FAN Control Signal

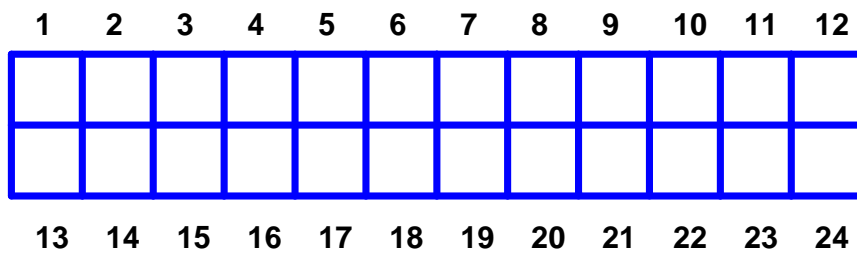
SYS_FAN/PWR_FAN: FAN Power Connectors

	Pin	Signal Name	Function
	1	GND	System Ground
	2	+12V	Power +12V
	3	Sense	Sensor

ATX12V: ATX 12V Power Connector

Pin	Signal Name
1	Ground
2	Ground
3	+12V
4	+12V

ATX_POWER: ATX 24-pin Power Connector



Pin	Signal Name	Pin	Signal Name
1	+3.3	13	+3.3V
2	+3.3	14	-12V
3	COM	15	COM
4	+5V	16	PS_ON
5	COM	17	COM
6	+5V	18	COM
7	COM	19	COM
8	PWR OK	20	-5V
9	5VSB	21	+5V
10	+12V	22	+5V
11	+12V	23	+5V
12	+3.3V	24	COM

Front Panel Header

The front panel header (PANEL1) provides a standard set of switch and LED connectors commonly found on ATX or Micro ATX cases. Refer to the table below for information:

Illustration	Pin	Signal	Pin	Signal
	1	5V_SYS	2	GPIO_GRN_HDR_R
	3	HDD_LED_R	4	GPIO_YLW_HDR_R
	5	GND	6	PSIN
	7	ICH_SYS_RSTJ	8	GND
	9	5V_SYS	10	KEY
	11	NC	12	5V_SB
	13	NC	14	LAN_ACTJ

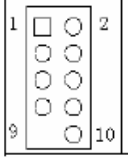
Front USB

Illustration	Pin	Signal	Function	Pin	Signal	Function
	1	VREG_FP_USBPWR0	Front panel USB power(Ports 0,1)	2	VREG_FP_USBPWR0	Front panel USB power(Ports 0,1)
	3	USB_FP_P0-	Front panel USB Port 0 Negative Signal	4	USB_FP_P1-	Front panel USB Port 1 Negative Signal
	5	USB_FP_P0+	Front panel USB Port 0 Positive Signal	6	USB_FP_P1+	Front panel USB Port 1 Positive Signal
	7	GROUND		8	GROUND	
	9	KEY		10	GROUND	


Front Audio

Illustration	Pin	Signal Name	Pin	Signal Name
	1	MIC2-L	2	AUD_GND
	3	MIC2-R	4	AUD_PRESENCE_L
	5	LINE2-R	6	MIC2-JD
	7	FRONT-IO-SENSE	8	KEY
	9	LINE2-L	10	LINE2-JD

Front 1394

Illustration	Pin	Signal Name	Pin	Signal Name
	1	TPA+	2	TPA-
	3	GROUND	4	GROUND
	5	TPB+	6	TPB-
	7	+12V(FUSED)	8	+12V(FUSED)
	9	KEY	10	GROUND

Aux_In

Illustration	Pin	Signal Name	Pin	Signal Name
	1	CD_IN_L	2	GROUND
	3	GROUND	4	CD_IN_R
	5	KEY		

Intruder

Pin	Signal Name	Pin	Signal Name
1	INTRUDERJ	2	GROUND


J3(for requested)

Pin	Signal Name	Pin	Signal Name
1	AGPIO1	2	GROUND

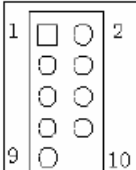
J4(for requested)

Pin	Signal Name	Pin	Signal Name
1	AGPIO2	2	GROUND

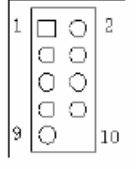
SPDIF_OUT

Illustration	Pin	Signal Name	Pin	Signal Name
	1	5V_SYS	2	KEY
	3	SPDIF_OUT	4	GND

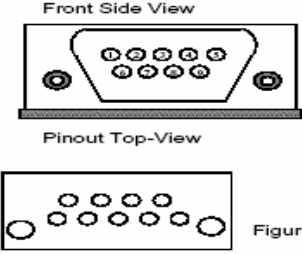
IRDA(Reserved)

Illustration	Pin	Signal Name	Pin	Signal Name
	1	5V_SB	2	IR_26
	3	SIO_RSMRSTJ	4	RESETCONJ
	5	IR_20	6	IR_27
	7	IR_RE	8	IR_21
	9	GND	10	KEY

COM2

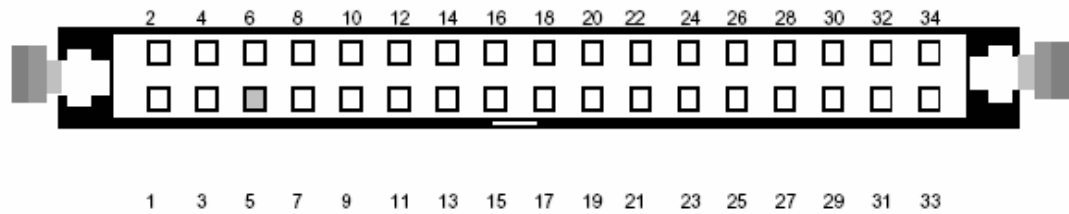
Illustration	Pin	Signal Name	Pin	Signal Name
	1	NDCDB	2	NSINB
	3	NSOUTB	4	NDTRB
	5	GND	6	NDSRB
	7	NDSRB	8	NCTSB
	9	NRIB	10	KEY

COM1

Illustration	Pin	Signal Name
 <p>Front Side View</p> <p>Pinout Top-View</p> <p>Figure-(2)</p>	1	DCD
	2	RxD
	3	TxD
	4	DTR
	5	Ground
	6	DSR
	7	RTS
	8	CTS
	9	RI

FDD

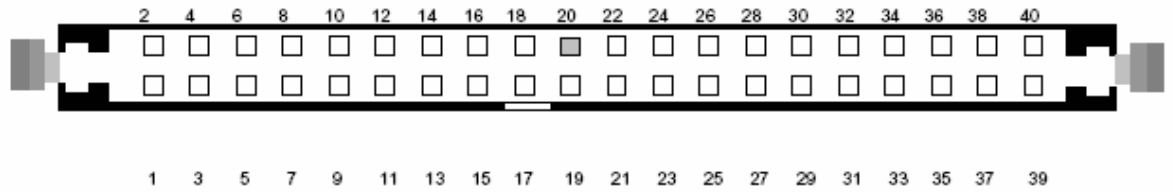
(Top-View)



Pin	Signal Name	Pin	Signal Name
1	Ground	2	DRV DEN0
3	Ground	4	HDL-
5	Keypin	6	DS3-
7	Ground	8	INDEX-
9	Ground	10	MTR0-
11	Ground	12	DS0-
13	Ground	14	DS1-
15	Ground	16	MTR1-
17	Ground	18	DIR-
19	Ground	20	STEP-
21	Ground	22	WDATA
23	Ground	24	WGATE-
25	Ground	26	TRK0-
27	Ground	28	WP-
29	Ground	30	RDATA
31	Ground	32	HDSEL-
33	Ground	34	DSKCHG-

IDE1

(Top-View)



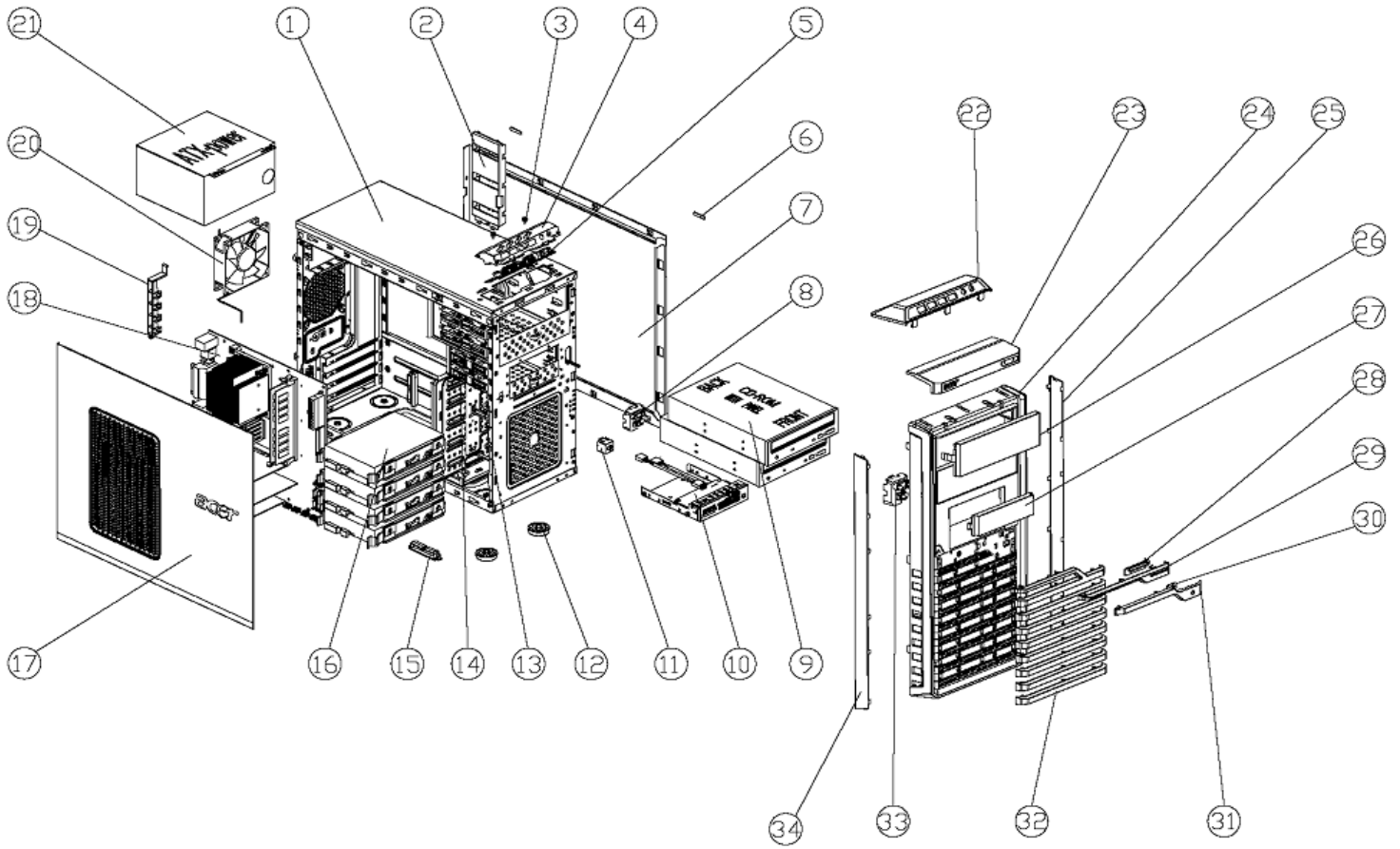
Pin	Signal Name	Pin	Signal Name
1	RESET-	2	Ground
3	DD7	4	DD8
5	DD6	6	DD9
7	DD5	8	DD10
9	DD4	10	DD11
11	DD3	12	DD12
13	DD2	14	DD13
15	DD1	16	DD14
17	DD0	18	DD15
19	Ground	20	Keypin
21	DMARQ	22	Ground
23	DIOW-	24	Ground
25	DIOR-	26	Ground
27	IORDY	28	PSYNC:CSEL
29	DMACK-	30	Ground
31	INTRQ	32	IOCS16-
33	DA1	34	PDIAG-
35	DA0	36	DA2
37	CS1FX-	38	CS3FX-
39	DASP-	40	Ground

FRU (Field Replaceable Unit) List

This chapter gives you the FRU (Field Replaceable Unit) listing in global configurations of **Veriton M265**. Refer to this chapter whenever ordering for parts to repair or for RMA (Return Merchandise Authorization).

NOTE: Please note WHEN ORDERING FRU PARTS, that you should check the most up-to-date information available on your regional web or channel (<http://aicsl.acer.com.tw/spl/>, if you do not own a specific account, you can still access the system with guest). For whatever reasons a part number change is made, it will not be noted in the printed Service Guide. For ACER-AUTHORIZED SERVICE PROVIDERS, your Acer office may have a DIFFERENT part number code to those given in the FRU list of this printed Service Guide. You MUST use the local FRU list provided by your regional Acer office to order FRU parts for repair and service of customer machines.

Exploded Diagram




ITEM	NAME	Q'TY	ITEM	NAME	Q'TY
1	CHASSIS	1	18	MOTHERBOARD	1
2	LINE-CLIP	1	19	PCI-BRACKET	1
3	USB-SHIELD NUT 6-32#	2	20	FAN	1
4	USB-SHIELDING	1	21	POWER SUPPLY	1
5	USB PCB MODULE	1	22	USB-TOP	1
6	SIDE FOOT RUBBER	4	23	LOGO-SUPPORT	1
7	RIGHT SIDE PLATE	1	24	MAIN-BEZEL	1
8	LED/SEITCH HOLDER	1	25	LEFT-WIRE-NETTING	1
9	CD-ROM	1	26	ODD-COVER	2
10	CARD READER DEVICE	1	27	FDD-COVER	2
11	OBR HOLDER	1	28	HDD-LENS	1
12	PLASTIC FOOT	4	29	FRONT-STRIP-MODULE	1
13	CD-ROM LOCK SLIDE	2	30	POWER-LENS	1
14	FDD-LOCK-SLIDE	2	31	POWER BUTTON	1
15	SMALL LINE CLIP	2	32	FRONT-STRIP-MODULE	1
16	HDD MODULE	4	33	SWITCH-HOLDER	1
17	LEFT SIDE PLATE	1	34	RIGHT-WIRE-NETTING	1

Veriton M265 FRU List

Category	Description	Part Number
Main board Kit		
	Intel G31+ICH7 / Intel LGA775 CPU / DDRII, GbE, HD codec (with CPU RM), w/o 1394 I/O shielding RoHS compliance, TPM/OBR/Intrusion header added	MB.SA509.018
IO Bracket		
	I/O Shielding W/O 1394 for EG31M	PZ.11700.007
Chassis		
	HM081 (Micro-Tower)	HS.13100.054
Bezel		
	New Veriton Bezel for HM081	PZ.11900.078
CPU		
	Core 2 Quad Q9650(3.0G 12MB 1333FSB)95W	KC.96501.QQE
	Core 2 Quad Q9300(2.50G 6MB 1333FSB)95W	KC.93001.QQ0
	Core 2 Quad Q9450(2.66G 12MB 1333FSB)95W	KC.94501.QQ0
	Core 2 Quad Q9550(2.83G 12MB 1333FSB)95W	KC.95501.QQE
	Core 2 Quad Q9550(2.83G 12MB 1333FSB)95W	KC.95501.QQ0
	Core 2 Quad Q9450(2.66G 12MB 1333FSB)65W	KC.94501.QQA
	Core 2 Quad Q9400(2.66G 6MB 1333FSB)95W	KC.94001.QQ0
	Core 2 Quad Q9300(2.50G 6MB 1333FSB)65W	KC.93001.QQA
	Core 2 Quad Q8300 (2.5GHz 4MB 1333FSB) 95W	KC.83001.QQ0
	Core 2 Quad Q8200(2.33G 4MB 1333FSB)95W	KC.82001.QQ0
	Core 2 Quad Q6700 (2.660G 8M 1066FSB) G-0	KC.67001.QQG
	Core 2 Quad Q6600 (2.4G 8M 1066FSB) G-0	KC.66001.QQG
	Core 2 Duo E8600(3.33G 6MB 1333FSB)65W	KC.86001.DEE
	Core 2 Duo E8500(3.16G 6MB 1333FSB)65W	KC.85001.DEE
	Core 2 Duo E8500(3.16G 6MB 1333FSB)65W	KC.85001.DE0
	Core 2 Duo E8400(3.0G 6MB 1333FSB)65W	KC.84001.DEE
	Core 2 Duo E8400(3.0G 6MB 1333FSB)65W	KC.84001.DE0

	Core 2 Duo E8300(2.83G 6MB 1333FSB)65W	KC.83001.DE0
	Core 2 Duo E7500(2.93G 3MB 1066FSB)65W	KC.75001.DE0
	Core 2 Duo E7400(2.80G 3MB 1066FSB)65W	KC.74001.DE0
	Core 2 Duo E7300(2.66G 3MB 1066FSB)65W	KC.73001.DE0
	Core 2 Duo E7200(2.53G 3MB 1066FSB)65W	KC.72001.DE0
	Core 2 Duo E8200(2.66G 6MB 1333FSB)65W	KC.82001.DE0
	Core 2 Duo E6750 (2.66G 4M 1333FSB)	KC.67501.DE0
	Core 2 Duo E6550 (2.33G 4M 1333FSB)	KC.65501.DE0
	Core 2 Duo E6700 (2.66G 4M 1066FSB) B2	KC.67001.DE0
	Core 2 Duo E6600 (2.4G 4M 1066FSB) B2	KC.66001.DE0
	Core 2 Duo E6700 (2.66G 4M 1066FSB), 12W E-Halt Power B2	KC.67001.DEB
	Core 2 Duo E6600 (2.4G 4M 1066FSB), 12W E-Halt Power B2	KC.66001.DEB
	Core 2 Duo E6420(2.13G 4M 1066FSB)B2	KC.64201.DE0
	Core 2 Duo E6320(1.86G 4M 1066FSB)B2	KC.63201.DE0
	Core 2 Duo E4400(2.0G 2M 800FSB)L2	KC.44001.DE0
	Core 2 Duo E4700(2.6G 2MB 800FSB)65W G0	KC.47001.DE0
	Core 2 Duo E4600 (2.4G 2M 800FSB)M-0	KC.46001.DE0
	Core 2 Duo E4400 (2.0G 2M 800FSB) M-0	KC.44M01.DE0
	Core 2 Duo E4500(2.2G 2M 800FSB)M-0	KC.45001.DE0
	Core 2 Duo E6850 (3.0G 4M 1333FSB)	KC.68501.DE0
	Pentium® Dual-Core E5400(2.7G 2MB 800FSB)65W	KC.54001.DEM
	Pentium® Dual-Core E5300(2.6G 2MB 800FSB)65W	KC.53001.DEM
	Pentium® Dual-Core E5200(2.5G 2MB 800FSB)65W	KC.52001.DEM
	Pentium® Dual-Core E2220 (2.4G 1M 800FSB) M-0	KC.22201.DEM
	Pentium® Dual-Core E2200 (2.2G 1M 800FSB) M-0	KC.22001.DEM
	Pentium® Dual-Core E2180 (2.0G 1M 800FSB) M-0	KC.21801.DEM
	Pentium® Dual-Core E2160 (1.8G 1M 800FSB) M-0	KC.21601.DEM
	Pentium® Dual-Core E2140 (1.6G 1M 800FSB) G-0	KC.21401.DEG
	Pentium® Dual-Core E2140 (1.6G 1M 800FSB) M-0	KC.21401.DEM
	Pentium® Dual-Core E2160 (1.8G 1M 800FSB)	KC.21601.DEP
	Pentium® Dual-Core E2140 (1.6G 1M 800FSB)	KC.21401.DEP
	Celeron Dual Core E1200 (1.6G 512K 800FSB)65W M0	KC.12001.CDE
	Celeron Dual Core E1400 (2.0G 512K 800FSB)65W	KC.14001.CDE
	Celeron Dual Core E1500 (2.2G 512K 800FSB)65W M0	KC.15001.CDE

	Celeron 450 (2.2G 512K 800FSB LGA775)	KC.D0001.450
	Celeron 440 (2.0G 512K 800FSB LGA775)	KC.D0001.440
	Celeron 430 (1.8G 512K 800FSB LGA775)	KC.D0001.430
	Celeron 420 (1.6G 512K 800FSB LGA775)	KC.D0001.420
CPU Cooler		
	Foxconn cpu cooler PKP367G01U12 + Sunon 9225 4200rpm fan	HI.3670C.001
	Fan Cooler LGA775 TMD06 Fan 9225	HI.10800.006
System Fan		
	System Fan KDE 1209/GP 92*92*25 (Rohs)	HI.S150F.002
Memory		
	Transcend DDRII800 512MB JM367Q643A-8 LF	KN.5120F.006
	Micron DDRII800 512MB	KN.1GB04.004
	Unifosa DDRII 800GU341G0ALEPR6B2C6CE	KN.1GB0H.009
	Transcend DIMM 1GB DDRII800 JM800QLU-1G LF	KN.1GB0F.002
	Nanya DDRII 800 NT1GT64U88D0BY-AD	KN.1GB03.024
	Apacer DDRII 800 75.073AA.G00	KN.1GB01.018
	Hynix DDRII 800 HYMP112U64CP8-S6	KN.1GB0G.015
	Samsung DDRII 800 M378T2863QZS-CF7	KN.1GB0B.021
	Nanya DDRII 800 NT1GT64U8HB0BY-25D LF	KN.1GB03.020
	Hynix DDRII 800 HYMP125U64CP8-S6	KN.2GB0G.008
	Apacer DIMM,2GB,DDRII800, 75.A73AA.G03 LF	KN.2GB01.013
	Samsung DDRII 800 M378T5663QZ3-CF7	KN.2GB0B.006
	Micron DDRII 800 7UE17 D9HNP	KN.2GB04.006
	Nanya DDRII 800 NT2GT64U8HD0BY-AD	KN.2GB03.009
Unifosa DDRII 800 GU342G0ALEPR692C6CE	KN.2GB0H.004	

	Unifosa DDRII 800 GU34512AJEPN662C4GG, RoHS	KN.5120H.007
	Nanya DDRII 667 UNB-DIMM 512MB NT512T64U88B0BY-3C	KN.51203.034
	Promos DDRII 667 V916764K24QCFW-F5	KN.5120M.005
	Hynix DDRII 667 HYMP564U64CP8-Y5	KN.5120G.021
	Samsung DDRII 667 M378T6553EVS-CE6	KN.5120B.024
	Nanya DDRII 667 NT5TU64M8AE-3C	KN.51203.024
	Transcend DDRII 667 JM367Q643A-6, RoHS	KN.5120F.005
	Nanya DDRII 667 UNB-DIMM 1GB NT1GT64U8HB0BY-3C	KN.1GB03.017
	Unifosa DDRII 667 GU341G0AJEPN662C4GG, RoHS	KN.1GB0H.005
	Unifosa DDRII 667 GU341G0AJEPR6C2C4CE	KN.1GB0H.008
	Hynix DDRII 667 HYMP512U64CP8-Y5 PQ (UDIMM)	KN.1GB0G.007
	Hynix DDRII 667 1GB HYMP112U64CP8-Y5	KN.1GB0G.013
	Qimonda DDRII 667 HYS64T128020EU-3S LF	KN.1GB02.037
	Samsung DDRII 667 M378T2953EZ3-CE6, RoHS	KN.1GB0B.013
	Samsung DDRII 667 M378T2863DZS-CE6	KN.1GB0B.015
	Samsuang DDRII 667M378T2863QZS-CE6	KN.1GB0B.017
	Nanya DDRII 667 NT5TU64M8AE-3C	KN.1GB03.008
	Micron DDRII 667 MT8HTF12864AY-667E1	KN.1GB04.002
	Micron DDRII 667 MT16HTF25664AY-667E1	KN.2GB04.003
	Qimonda DDRII 667 HYS64T256020EU-3S-B	KN.2GB02.010
	Hynix DDRII 667 HYMP125U64CP8-Y5 PQ	KN.2GB0G.005
VGA		
	Radeon HD3450 256MB DDRII VGA/DVI/HDMI W/ATX BKT ROHS(Hynix memory / Active thermal solution)	VG.APC34.5A1
	Radeon HD3450 256MB DDRII VGA/DVI/HDMI W/ATX BKT ROHS(Samsung Memory / Active thermal solution)	VG.APC34.531
	Radeon HD3650 512MB DDRII VGA/DVI/HDMI W/ATX BKT ROHS(Hynix memory)	VG.APC36.5H1
	Radeon HD3650 512MB DDRII VGA/DVI/HDMI W/ATX BKT ROHS(Samsung memory)	VG.APC36.531
	Radeon HD3850 1GB DDRIII Dual DVI/TV-OUT PAL W/ATX BKT ROHS	VG.APC38.51G
	Radeon HD3850 1GB DDRIII Dual DVI/TV-OUT	VG.APC38.52G

	Radeon HD3450 256MB DDRII VGA/DVI/TV-OUT PAL W/ATX BKT ROHS	VG.APC34.5P1
	Radeon HD3450 256MB DDRIII VGA/DVI/TV-OUT NTSC W/ATX BKT ROHS	VG.APC34.5P2
	GEFORCE 9300GE 256MB DDR II (64BITS) DVI HDMI VGAW/ATX BKT ROHS (Hynix memory/Active thermal solution)	VG.PC93G.EA1
	9300GE 256MB DDRII (64bits) VGA+HDMI+DVI W/ATX BKT (D8M-U2 w/ Samsung MEM) ROHS (Samsung Memory/Active thermal solution)	VG.PC93G.A03
	GEFORCE 9500GS 512MB DDR II (128bits) DVI-I VGA HDMI W/ATX BKT ROHS(Hynix Memory)	VG.PC95G.S02
	GEFORCE 9500GS 512MB DDR II (128bits) DVI-I VGA HDMI W/ATX BKT ROHS(Samsung Memory)	VG.PC95G.S12
	GEFORCE 9600GS 768MB DDR II (128bits) VGA DVI HDMI ATX BRACKET(Hynix memory)	VG.PC96G.S02
	GEFORCE 9600GS 768MB DDR II (128bits) VGA DVI HDMI ATX BRACKET(Samsung memory)	VG.PC96G.S12
	GEFORCE 9500GT 256MB DDR 3 (128bits) DVI-I VGA HDMI W/ATX BKT ROHS	VG.PC95G.T01
	GEFORCE 9500GT 256MB DDR 3 (128bits) DVI-I VGA HDMI W/ATX BKT ROHS	VG.PC95G.T02
	GEFORCE 9600GT 512MB DDR 3 (256 BITS) DUAL DVI HDTV PAL ATX BARCKET ROHS	VG.PC96G.T11
	GEFORCE 9600GT 512MB DDR 3 (256 BITS) DUAL DVI HDTV NTSC ATX BARCKET ROHS	VG.PC96G.T12
	GEFORCE 9600GT 512MB DDR 3 (256 BITS) DUAL DVI HDTV PAL ATX BARCKET ROHS	VG.PC96G.T13
	GEFORCE 9600GT 512MB DDR 3 (256 BITS) DUAL DVI HDTV NTSC ATX BARCKET ROHS	VG.PC96G.T14
HDD		
	ST380815AS,SATAII w/NCQ, 8M, RoHS	KH.08001.033
	ST380815AS,SATAII w/NCQ, 8M, RoHS	KH.08001.034



ST3160815AS,SATAII w/NCQ, 8M, RoHS	KH.16001.031
WD800JD-22MSA1w/NCQ, SATAII, 8MB, RoHS	KH.08008.028
7.2rpm XL160 WD1600AAJS-22PSA0 SATAII 3G 8MB LF W/NCQ, RoHS	KH.16008.018
7.2rpm XL160 WD1600AAJS-00PSA0 SATAII 3G 8MB LF W/NCQ, RoHS	KH.16008.020
WD1600AAJS-22WAA0	KH.16008.023
WD1600AAJS-22L7A0	KH.16008.025
80G 7200rpm Model:HDS721680PLA380,RoHS	KH.08007.026
80G 7200rpm HDS721680PLA380,w/NCQ, RoHS	KH.08007.024
7200rpm HDS721616PLA380, w/NCQ, RoHS	KH.16007.015
7200rpm HDP725016GLA380,w/NCQ, RoHS	KH.16007.020
160G 7200rpm Model:HDS721616PLA380	KH.16007.017
HDT721016SLA380	KH.16007.023
ST3250310AS , SATAII	KH.25001.010
WD2500AAJS-22B4A0	KH.25008.020
WD2500AAJS-22L7A0	KH.25008.023
Gemini SATA 250GB Model:HDP725025GLA380,RoHS	KH.25007.012
7200rpm HDT725025VLA380, w/NCQ	KH.25007.010
SATAII 7200rpm 8MB,ST3320820AS,w/NCQ SSC OFF	KH.32001.007
SATAII 7200rpm 8MB,ST3320813AS,w/NCQ SSC OFF	kh.32001.009
Gemini SATA 320GB Model:HDP725032GLA380,RoHS	KH.32007.003
Vancouver V 320G 7200rpm HDT725032VLA380, w/NCQ,	KH.32007.001
Vancouver V 320G 7200rpm HDT725032VLA380, w/NCQ,	KH.32007.002
HDT721032SLA380	KH.32007.006
WD3200AAJS-22L7A0	KH.32008.016
WD3200AAJS-22B4A0	KH.32008.014
WD3200AAJS-22VWA0	KH.32008.012
SATAII 7200rpm 8MB,w/NCQ ST3400820AS RoHS SSC OFF	KH.40001.008
7200rpm 400G WD4000AAJS-00YFA0	KH.40008.006
Vancouver V 400G 7200rpm HDT725040VLA380	KH.40007.007

	ST3500830AS,8MB,w/NCQ ,RoHS SSC OFF	KH.50001.004
	XL160M PMR WD5000AAJS-22YFA0	KH.50008.005
	Moose HDD,Model:ST3500820AS,RoHS	KH.50001.005
	Moose HDD,Model:ST3500620AS,RoHS	KH.50001.006
	WD5000AAJS-22A8B0	KH.50008.009
	WD HDD SATA 500GB WD5000AAJS-22A8B2 7200rpm	KH.50008.011
	GeminiSATA500GBModel:HDP725050GLA380,RoHS	KH.50007.003
	Vancouver V 7200rpm HDT725050VLA380, w/NCQ,	KH.50007.002

ODD







DH-16D2S, SATA, RoHS	KV.01609.003
SATA GDR-H20N, RoHS	KV.0160D.014
DH-16D4S	KV.0160F.001
DH-10N	KV.0160D.015
SATA GH15N, RoHS	KU.0160D.034
DH-16A3S SATA ROHS	KU.01609.005
AD-7200S SATA	KU.0160E.002
SATA GH15F, LF,RoHS	KU.0160D.043
DH-16A6S ,LF,SATA,RoHs	KU.0160F.005
AD-7203S-AR,LF,SATA,RoHs	KU.0160E.015
Blu-ray Disc Drive Model:DH-401S	KV.0040F.001
Blu-ray Disc Drive Model:GBC-H20N	KO.0040D.001
DH-6E2S	KO.0040F.002
BD Combo BDC-202BK	KO.00405.001
Blu-ray Disc Drive Model:GBW-H20N	KU.0040D.014

FDD



Sony FDD 1.44M 3.5"(black) , RoHS	PZ.12700.008
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Card Reader

	<p>USB1.1, 9 in4 w/one USB port 3.5" long Bay Reader GLF-680-070-126 (new layout) (For Aspire M1xxx/Veriton series)</p>	<p>CR.10400.002</p>
<p>Modem</p>		
	<p>Pronet PCI Modem Card HPI56L6 w/ATX BKT, RoHS</p>	<p>FX.10100.006</p>
	<p>Lite-On PCI Modem Card,D-1156I#/A7A</p>	<p>FX.10100.004</p>
	<p>Lite-On PCI-E Modem Card D-1156E#/A10A</p>	<p>FX.10100.002</p>
<p>PC Guard</p>		
	<p>Saming PC gurad Card/ATX</p>	<p>PA.14000.016</p>
	<p>V4.0 dirver CD</p>	<p>SR.50200.003</p>
	<p>Saming PC gurad user manual</p>	<p>PR.12200.015</p>
<p>Wireless Lan</p>		
	<p>Pronet wireless USB Dongle 802.11g Model:WU61RL</p>	<p>NI.10200.002</p>
	<p>Lite-On WLAN PCI-E card Model:WN7600R RoHS,802.11b/g/n</p>	<p>NI.10200.008</p>
	<p>Pronet wireless PCI Card WP61R2 Chip Realtek RTL8185L w/ATX BTK, RoHS</p>	<p>NI.10200.005</p>
	<p>Pronet wireless USB Dongle 802.11g Model:WU61RL</p>	<p>NI.10200.002</p>
<p>Internal Spaaker</p>		

	3.5" bay HD Internal Speaker	SP.10600.012
Spaaker		
	Logitech 2.0 speaker, S100, 230V with Europe plug type, Logitech Logo (Rohs)	SP.S1006.007
	Logitech 2.0 speaker, S100, 110V with US plug type, acer logo (Rohs)	SP.S1006.010
	Logitech 2.0 speaker, S100, 230V w/ Australia plug type, Acer logo (RoHS)	SP.11805.003
	Logitech 2.0 Speaker S100 110V w/US plug type Acer logo&STK label (RoHS)	SP.S1006.008
	Logitech 2.0 Speaker S100 230V w/US plug type Acer logo (RoHS)	SP.S1006.009
	2.0 speaker, USB, M-1118C, Acer logo, with Universal STK label	SP.S1006.007
	Neosonica Speaker Acer Logo/LF/0810	SP.S1006.010
	JS 0810 Speaker	SP.11805.003
Power Supply		
	DPS-250AB-22 D	PY.25009.005
	DPS-250AB-22 E	PY.25009.006
	Lite-On 250W PFC PE-5251-7AP-RoHS	PY.2500B.003
	Lite-On 250W N-PFC PE-5251-7A-RoHS	PY.2500B.004
Mouse		
	PS/2 ball mouse, 2 button+wheel, Lead-free	MS.NET04.002
	PS/2 ball mouse, 2 button+wheel, M-SBN96 RoHS	MS.11200.008
	PS/2 ball mouse, SBJ96, Lead-free, w/ STK label	MS.SBJ01.004
	PS/2 optica mouse M-SBR-ACR2--0810	MS.11200.013
	PS/2 optical mouse SM-9620--0810	MS.11200.017
	USB optical Mouse Model:N12ROU-GY63231(New SPCB for EMI)	MS.11200.005
	USB optical Mouse, MUV ACR1(Black),(RoHS new	MS.MUV01.005

	lab)	
	USB optical M-UVACR1 new resonator	MS.11200.006
	USB optical USB Mouse M-UAY-ACR2 ---0810	MS.11200.014
	USB optical USB mouse SM-9625--0810	MS.11200.018
	Logitech Wireless Mouse, M-RAU95, RoHS	MS.RAF01.004
	Chicony Wireless Mouse, MG-0570T	MS.11200.009
	Chicony Wireless Mouse ,MG-0570T (For Japan only)	MS.11200.012
	Chicony RF2.4G mouse RF2.4G MG-0766 --0810	MS.11200.015
	Chicony 2.4G Dangle Receiver external receiver(For all Chicony RF2.4G KB&Mouse)	RV.11000.010
	Logitech Wireless KB, Cocoon, US ver., 104 keys , RoHS, Y-RAJ564(For All Logitech RF 27Mhz KB/Moue)	RV.GPY01.006
KEYBOARD		
	PS/2 Standard 104KS With eKey Black US Remove Palm rest	KB.PS203.040
	PS/2 Standard 104KS With eKey Black Arabic/English Remove Palm rest	KB.PS203.041
	PS/2 Standard 104KS With eKey Black US International Remove Palm rest	KB.PS203.042
	PS/2 Standard 105KS With eKey Black French Remove Palm rest	KB.PS203.044
	PS/2 Standard 105KS With eKey Black Italian Remove Palm rest	KB.PS203.046
	PS/2 Standard 105KS With eKey Black Swiss/G Remove Palm rest	KB.PS203.047
	PS/2 Standard 105KS With eKey Black Swedish Remove Palm rest	KB.PS203.048
	PS/2 Standard 105KS With eKey Black Belgium Remove Palm rest	KB.PS203.049
	PS/2 Standard 105KS With eKey Black Dutch Remove Palm rest	KB.PS203.050
	PS/2 Standard 104KS With eKey Black US TECHNO /Remove Palm rest	KB.PS203.068
	PS/2 Standard 104KS With eKey Black Arabic/English TECHNO /Remove Palm rest	KB.PS203.069
	PS/2 Standard 104KS With eKey Black US International TECHNO /Remove Palm res	KB.PS203.070

	PS/2 Standard 104KS With eKey Black UK TECHNO /Remove Palm rest	KB.PS203.071
	PS/2 Standard 105KS With eKey Black French TECHNO /Remove Palm rest	KB.PS203.072
	PS/2 Standard 105KS With eKey Black German TECHNO /Remove Palm rest	KB.PS203.073
	PS/2 Standard 105KS With eKey Black Italian TECHNO /Remove Palm rest	KB.PS203.074
	PS/2 Standard 105KS With eKey Black Swiss/G TECHNO /Remove Palm rest	KB.PS203.075
	PS/2 Standard 105KS With eKey Black Swedish TECHNO /Remove Palm rest	KB.PS203.076
	PS/2 Standard 105KS With eKey Black Belgium TECHNO /Remove Palm rest	KB.PS203.077
	PS/2 Standard 105KS With eKey Black Dutch TECHNO /Remove Palm rest	KB.PS203.078
	PS/2 Standard 105KS With eKey Black Spanish TECHNO /Remove Palm rest	KB.PS203.079
	PS/2 Standard 105KS With eKey Black Portuguese TECHNO /Remove Palm rest	KB.PS203.080
	PS/2 Standard 105KS With eKey Black Icelandic TECHNO /Remove Palm rest	KB.PS203.081
	PS/2 Standard 105KS With eKey Black Norwegian TECHNO /Remove Palm rest	KB.PS203.082
	PS/2 Standard 104KS With eKey Black Hebrew TECHNO /Remove Palm rest	KB.PS203.083
	PS/2 Standard 105KS With eKey Black Polish TECHNO /Remove Palm rest	KB.PS203.084
	PS/2 Standard 105KS With eKey Black Slovenian TECHNO /Remove Palm rest	KB.PS203.085
	PS/2 Standard 105KS With eKey Black Slovak TECHNO /Remove Palm rest	KB.PS203.086
	PS/2 Standard 105KS With eKey Black Turkish TECHNO /Remove Palm rest	KB.PS203.087
	PS/2 Standard 104KS With eKey Black Russian TECHNO /Remove Palm rest	KB.PS203.088
	PS/2 Standard 105KS With eKey Black Hungarian TECHNO /Remove Palm rest	KB.PS203.089

	PS/2 Standard 104KS With eKey Black Greek TECHNO /Remove Palm rest	KB.PS203.090
	PS/2 Standard 105KS With eKey Black Danish TECHNO /Remove Palm rest	KB.PS203.091
	PS/2 Standard 104KS With eKey Black Czech TECHNO /Remove Palm rest	KB.PS203.092
	PS/2 Standard 105KS With eKey Black Romanian TECHNO /Remove Palm rest	KB.PS203.093
	PS/2 Standard 105KS With eKey Black Turkish/French TECHNO /Remove Palm rest	KB.PS203.094
	PS/2 Standard 105KS With eKey Black Arabic/French TECHNO /Remove Palm rest	KB.PS203.095
	PS/2 Keyboard KB2971 US Ver. 104KS(with eKey Vista) RoHS	KB.KBP03.297
	PS/2 Keyboard KB2971 S.Chinese Ver. 104KS(with eKey Vista) RoHS	KB.KBP03.298
	PS/2 Keyboard KB2971 Arabic Ver. 104KS(with eKey Vista) RoHS	KB.KBP03.299
	PS/2 Keyboard KB2971 Thai Ver. 104KS(with eKey Vista) RoHS	KB.KBP03.300
	PS/2 Keyboard KB2971 Int'l US Ver. 104KS(with eKey Vista) RoHS	KB.KBP03.301
	PS/2 Keyboard KB2971 Canadian/French Ver. 105KS(with eKey Vista) RoHS	KB.KBP03.302
	PS/2 Keyboard KB2971 Brazilian Ver. 107KS(with eKey Vista) RoHS	KB.KBP03.303
	PS/2 Keyboard KB2971 Spanish Ver. 105KS(with eKey Vista) RoHS	KB.KBP03.304
	PS/2 Keyboard KB2971 US Ver. 104KS JPN ABS(with eKey Vista) RoHS	KB.KBP03.306
	PS/2 Keyboard KB2971 Arabic Ver. 104KS JPN ABS(with eKey Vista) RoHS	KB.KBP03.307
	PS/2 Keyboard KB2971 Int'l US Ver. 104KS JPN ABS(with eKey Vista) RoHS	KB.KBP03.308
	PS/2 Keyboard KB2971 UK Ver. 105KS JPN ABS(with eKey Vista) RoHS	KB.KBP03.309
	PS/2 Keyboard KB2971 French Ver. 105KS JPN ABS(with eKey Vista) RoHS	KB.KBP03.310

PS/2 Keyboard KB2971 Germany Ver. 105KS JPN ABS(with eKey Vista) RoHS	KB.KBP03.311
PS/2 Keyboard KB2971 Italian Ver. 105KS JPN ABS(with eKey Vista) RoHS	KB.KBP03.312
PS/2 Keyboard KB2971 Swiss Ver. 105KS JPN ABS(with eKey Vista) RoHS	KB.KBP03.313
PS/2 Keyboard KB2971 Swedish Ver. 105KS JPN ABS(with eKey Vista) RoHS	KB.KBP03.314
PS/2 Keyboard KB2971 Belgium Ver. 105KS JPN ABS(with eKey Vista) RoHS	KB.KBP03.315
PS/2 Keyboard KB2971 Dutch Ver. 105KS JPN ABS(with eKey Vista) RoHS	KB.KBP03.316
PS/2 Keyboard KB2971 Spanish Ver. 105KS JPN ABS(with eKey Vista) RoHS	KB.KBP03.318
PS/2 Keyboard KB2971 Portugese Ver. 105KS JPN ABS(with eKey Vista) RoHS	KB.KBP03.319
PS/2 Keyboard KB2971 Iceland Ver. 105KS JPN ABS(with eKey Vista) RoHS	KB.KBP03.320
PS/2 Keyboard KB2971 Norwegian Ver. 105KS JPN ABS(with eKey Vista) RoHS	KB.KBP03.321
PS/2 Keyboard KB2971 Hebrew Ver. 104KS JPN ABS(with eKey Vista) RoHS	KB.KBP03.322
PS/2 Keyboard KB2971 Polish Ver. 105KS JPN ABS(with eKey Vista) RoHS	KB.KBP03.323
PS/2 Keyboard KB2971 Slovenian Ver. 105KS JPN ABS(with eKey Vista) RoHS	KB.KBP03.324
PS/2 Keyboard KB2971 Slovakian Ver. 105KS JPN ABS(with eKey Vista) RoHS	KB.KBP03.325
PS/2 Keyboard KB2971 Turkey Ver. 105KS JPN ABS(with eKey Vista) RoHS	KB.KBP03.326
PS/2 Keyboard KB2971 RussiamVer. 104KS JPN ABS(with eKey Vista) RoHS	KB.KBP03.327
PS/2 Keyboard KB2971 Hungaria Ver. 105KS JPN ABS(with eKey Vista) RoHS	KB.KBP03.328
PS/2 Keyboard KB2971 Greek Ver. 104KS JPN ABS(with eKey Vista) RoHS	KB.KBP03.329
PS/2 Keyboard KB2971 Denmark Ver. 105KS JPN ABS(with eKey Vista) RoHS	KB.KBP03.330

	PS/2 Keyboard KB2971 Czech Ver. 104KS JPN ABS(with eKey Vista) RoHS	KB.KBP03.331
	PS/2 Keyboard KB2971 Italian new layout 105KS JPN ABS(with eKey Vista) RoHS	KB.KBP03.332
	PS/2 Keyboard KB2971 Romanian Ver. 105KS JPN ABS(with eKey Vista) RoHS	KB.KBP03.333
	PS/2 Keyboard KB2971 Turkey/French Ver. 105KS JPN ABS(with eKey Vista) RoHS	KB.KBP03.334
	PS/2 Keyboard KB2971 French Ver. 105Keys (with eKey Vista) RoHS	KB.KBP03.335
	PS/2 Keyboard KB2971 French+Arabic 105KS (with eKey Vista) RoHS	KB.KBP03.336
	PS/2 Keyboard KB2971 Spanish Latin Ver. 105KS(with eKey Vista) RoHS	KB.KBP03.337
	PS/2 Standard 104KS With eKey Black US with eKey Vista	KB.PS203.096
	PS/2 Standard 104KS With eKey Black Traditional Chinese with eKey Vista	KB.PS203.097
	PS/2 Standard 104KS With eKey Black Simplified Chinese with eKey Vista	KB.PS203.098
	PS/2 Standard 104KS With eKey Black US International with eKey Vista	KB.PS203.099
	PS/2 Standard 104KS With eKey Black Arabic/English with eKey Vista	KB.PS203.100
	PS/2 Standard 104KS With eKey Black Thailand with eKey Vista	KB.PS203.101
	PS/2 Standard 105KS With eKey Black Spanish with eKey Vista	KB.PS203.102
	PS/2 Standard 105KS With eKey Black Portuguese with eKey Vista	KB.PS203.103
	PS/2 Standard 105KS With eKey Black Canadian French with eKey Vista	KB.PS203.104
	PS/2 Standard 107KS With eKey Black Brazilian Portuguese with eKey Vista	KB.PS203.105
	PS/2 Standard 109KS With eKey Black Japanese with eKey Vista	KB.PS203.106
	PS/2 Standard 105KS With eKey Black German with eKey Vista	KB.PS203.107

	PS/2 Standard 105KS With eKey Black Italian with eKey Vista	KB.PS203.108
	PS/2 Standard 105KS With eKey Black French with eKey Vista	KB.PS203.109
	PS/2 Standard 105KS With eKey Black Swedish with eKey Vista	KB.PS203.110
	PS/2 Standard 105KS With eKey Black UK with eKey Vista	KB.PS203.111
	PS/2 Standard 105KS With eKey Black Dutch with eKey Vista	KB.PS203.112
	PS/2 Standard 105KS With eKey Black Swiss/G with eKey Vista	KB.PS203.113
	PS/2 Standard 105KS With eKey Black Belgium with eKey Vista	KB.PS203.114
	PS/2 Standard 105KS With eKey Black Icelandic with eKey Vista	KB.PS203.115
	PS/2 Standard 105KS With eKey Black Norwegian with eKey Vista	KB.PS203.116
	PS/2 Standard 104KS With eKey Black Hebrew with eKey Vista	KB.PS203.117
	PS/2 Standard 105KS With eKey Black Polish with eKey Vista	KB.PS203.118
	PS/2 Standard 105KS With eKey Black Slovenian with eKey Vista	KB.PS203.119
	PS/2 Standard 105KS With eKey Black Slovak with eKey Vista	KB.PS203.120
	PS/2 Standard 104KS With eKey Black Russian with eKey Vista	KB.PS203.121
	PS/2 Standard 105KS With eKey Black Hungarian with eKey Vista	KB.PS203.122
	PS/2 Standard 104KS With eKey Black Greek with eKey Vista	KB.PS203.123
	PS/2 Standard 105KS With eKey Black Danish with eKey Vista	KB.PS203.124
	PS/2 Standard 104KS With eKey Black Czech with eKey Vista	KB.PS203.125
	PS/2 Standard 105KS With eKey Black Romanian with eKey Vista	KB.PS203.126

	PS/2 Standard 105KS With eKey Black Turkish with eKey Vista	KB.PS203.127
	PS/2 Standard 105KS With eKey Black Spanish Latin with eKey Vista	KB.PS203.128
	PS/2 Standard 105KS With eKey Black Turkish-Q with eKey Vista	KB.PS203.129
	PS/2 Standard 105KS With eKey Black Arabic/French with eKey Vista	KB.PS203.130
	PS/2 Standard 105KS With eKey Black Kazakh with eKey Vista	KB.PS203.138
	PS/2 Standard 104KS With eKey Black Turkmen	KB.PS203.172
	PS/2 Standard 105KS With eKey Black Nordic	KB.PS203.211
	PS/2 Keyboard SK1688 T.Chinese Ver. 104keys(with eKey Vista), Non-RoHS	KB.6880B.042
	PS/2 Keyboard SK1688 Thai Ver. 104keys(with eKey Vista) RoHS	KB.6880B.043
	PS/2 Keyboard SK1688 T.Chinese Ver. 104keys(with eKey Vista) RoHS	KB.6880B.044
	PS/2 Keyboard SK1688 EN Ver. 104keys(with eKey Vista) RoHS	KB.6880B.045
	PS/2 Keyboard SK1688 CAFR Ver. 105keys(with eKey Vista) RoHS	KB.6880B.046
	PS/2 Keyboard SK1688 Spanish Ver. 105keys(with eKey Vista) RoHS	KB.6880B.047
	PS2 Keyboard SK1688 In'l US Ver. 104KS(with eKey Vista) RoHS	KB.6880B.048
	PS/2 Keyboard SK1688 Spanish Latin Ver. 105keys(with eKey Vista) RoHS	KB.6880B.049
	PS/2 Keyboard SK1688 Germany Ver. 105keys(with eKey Vista) White RoHS	KB.6880B.050
	PS/2 Keyboard SK1688 Arabic + US Ver. 104KS(with eKey Vista) RoHS	KB.6880B.051
	PS/2 Keyboard SK1688 Portugese Ver. 105KS(with eKey Vista) RoHS	KB.6880B.052
	PS/2 Keyboard SK1688 Brazilian Ver. 107KS(with eKey Vista) RoHS	KB.6880B.053
	PS/2 Keyboard SK1688 JPNese 109KS(with eKey Vista) RoHS	KB.6880B.054

	PS/2 Keyboard SK1688 Germany Ver. 105KS (with eKey Vista) RoHS	KB.6880B.055
	PS/2 Keyboard SK1688 Italian Ver. 105KS (with eKey Vista) RoHS	KB.6880B.056
	PS/2 Keyboard SK1688 French Ver. 105KS (with eKey Vista) RoHS	KB.6880B.057
	PS/2 Keyboard SK1688 Sweden Ver. 105KS (with eKey Vista) RoHS	KB.6880B.058
	PS/2 Keyboard SK1688 UK Ver. 105KS (with eKey Vista) RoHS	KB.6880B.059
	PS/2 Keyboard SK1688 Dutch Ver. 105KS (with eKey Vista) RoHS	KB.6880B.060
	PS/2 Keyboard SK1688 Swiss Ver. 105KS (with eKey Vista) RoHS	KB.6880B.061
	PS/2 Keyboard SK1688 Belgium Ver. 105KS (with eKey Vista) RoHS	KB.6880B.062
	PS/2 Keyboard SK1688 Iceland Ver. 105KS (with eKey Vista) RoHS	KB.6880B.063
	PS/2 Keyboard SK1688 Norwegian Ver. 105KS (with eKey Vista) RoHS	KB.6880B.064
	PS/2 Keyboard SK1688 Hebrew Ver. 104KS (with eKey Vista) RoHS	KB.6880B.065
	PS/2 Keyboard SK1688 Polish Ver. 105KS (with eKey Vista) RoHS	KB.6880B.066
	PS/2 Keyboard SK1688 Slovenian Ver. 105KS (with eKey Vista) RoHS	KB.6880B.067
	PS/2 Keyboard SK1688 Slovakian Ver. 105KS (with eKey Vista) RoHS	KB.6880B.068
	PS/2 Keyboard SK1688 Turkish Q-Type Ver. 105KS (with eKey Vista) RoHS	KB.6880B.069
	PS/2 Keyboard SK1688 Russian Ver. 104KS (with eKey Vista) RoHS	KB.6880B.070
	PS/2 Keyboard SK1688 Hungary Ver. 105KS (with eKey Vista) RoHS	KB.6880B.071
	PS/2 Keyboard SK1688 Greek Ver. 104KS (with eKey Vista) RoHS	KB.6880B.072
	PS/2 Keyboard SK1688 Denmark Ver. 105KS (with eKey Vista) RoHS	KB.6880B.073

	PS/2 Keyboard SK1688 Czech Ver. 104KS (with eKey Vista) RoHS	KB.6880B.074
	PS/2 Keyboard SK1688 Romanian Ver. 105KS (with eKey Vista) RoHS	KB.6880B.075
	PS/2 Keyboard SK1688 Turkey F-Type Ver. 105KS (with eKey Vista) RoHS	KB.6880B.076
	PS/2 Keyboard SK1688 French+Arabic 105KS (with eKey Vista) RoHS	KB.6880B.077
	PS/2 Keyboard SK1688 Italian Ver S1. 105KS (with eKey) RoHS	KB.PS20B.002
	PS/2 Keyboard SK1688 Italian Ver S1. 105KS (with eKey Vista) RoHS	KB.PS20B.001
	PS/2 Standard 105KS With eKey Black Romanian with eKey Vista	KB.PS20B.005
	PS/2 Standard 105KS With eKey Black Turkish with eKey Vista	KB.PS20B.006
	PS/2 Standard 105KS With eKey Black Spanish Latin with eKey Vista	KB.PS20B.007
	PS/2 Standard 105KS With eKey Black Turkish-Q with eKey Vista	KB.PS20B.008
	PS/2 Standard 105KS With eKey Black Danish with eKey Vista	KB.PS20B.009
	PS/2 Standard 104KS With eKey Black Czech with eKey Vista	KB.PS20B.010
	PS/2 Standard 105KS With eKey Black Slovak with eKey Vista	KB.PS20B.011
	PS/2 Standard 104KS With eKey Black Russian with eKey Vista	KB.PS20B.012
	PS/2 Standard 105KS With eKey Black Hungarian with eKey Vista	KB.PS20B.013
	PS/2 Standard 104KS With eKey Black Greek with eKey Vista	KB.PS20B.014
	PS/2 Standard 105KS With eKey Black Polish with eKey Vista	KB.PS20B.015
	PS/2 Standard 105KS With eKey Black Slovenian with eKey Vista	KB.PS20B.016
	PS/2 Standard 105KS With eKey Black Belgium with eKey Vista	KB.PS20B.017

	PS/2 Standard 105KS With eKey Black Icelandic with eKey Vista	KB.PS20B.018
	PS/2 Standard 105KS With eKey Black Norwegian with eKey Vista	KB.PS20B.019
	PS/2 Standard 104KS With eKey Black Hebrew with eKey Vista	KB.PS20B.020
	PS/2 Standard 105KS With eKey Black Dutch with eKey Vista	KB.PS20B.021
	PS/2 Standard 105KS With eKey Black Swiss/G with eKey Vista	KB.PS20B.022
	PS/2 Standard 105KS With eKey Black Italian with eKey Vista	KB.PS20B.023
	PS/2 Standard 105KS With eKey Black French with eKey Vista	KB.PS20B.024
	PS/2 Standard 105KS With eKey Black Swedish with eKey Vista	KB.PS20B.025
	PS/2 Standard 105KS With eKey Black UK with eKey Vista	KB.PS20B.026
	PS/2 Standard 109KS With eKey Black Japanese with eKey Vista	KB.PS20B.027
	PS/2 Standard 105KS With eKey Black German with eKey Vista	KB.PS20B.028
	PS/2 Standard 105KS With eKey Black Spanish with eKey Vista	KB.PS20B.029
	PS/2 Standard 105KS With eKey Black Portuguese with eKey Vista	KB.PS20B.030
	PS/2 Standard 105KS With eKey Black Canadian French with eKey Vista	KB.PS20B.031
	PS/2 Standard 107KS With eKey Black Brazilian Portuguese with eKey Vista	KB.PS20B.032
	PS/2 Standard 104KS With eKey Black Arabic/English with eKey Vista	KB.PS20B.033
	PS/2 Standard 104KS With eKey Black Thailand with eKey Vista	KB.PS20B.034
	PS/2 Standard 104KS With eKey Black US with eKey Vista	KB.PS20B.035
	PS/2 Standard 104KS With eKey Black Traditional Chinese with eKey Vista	KB.PS20B.036

	PS/2 Standard 104KS With eKey Black Simplified Chinese with eKey Vista	KB.PS20B.037
	PS/2 Standard 104KS With eKey Black US International with eKey Vista	KB.PS20B.038
	PS/2 Standard 105KS With eKey Black Arabic/French with eKey Vista	KB.PS20B.039
	PS/2 Standard 105KS With eKey Black Kazakh with eKey Vista	KB.PS20B.041
	PS/2 Standard 104KS With eKey Black Turkmen with eKey Vista	KB.PS20B.042
	PS/2 Standard 105KS With eKey Black Nordic with eKey Vista	KB.PS20B.043
	USB Standard 104KS With eKey Silver UK	KB.USB03.039
	USB Standard 105KS With eKey Silver German	KB.USB03.040
	USB Standard 105KS With eKey Silver Italian	KB.USB03.041
	USB Standard 105KS With eKey Silver Swiss/G	KB.USB03.042
	USB Standard 105KS With eKey Silver Swedish	KB.USB03.043
	USB Standard 105KS With eKey Silver Belgium	KB.USB03.044
	USB Standard 105KS With eKey Silver Dutch	KB.USB03.045
	USB Standard 105KS With eKey Silver Portuguese	KB.USB03.046
	USB Standard 105KS With eKey Silver Icelandic	KB.USB03.047
	USB Standard 105KS With eKey Silver Norwegian	KB.USB03.048
	USB Standard 104KS With eKey Silver Hebrew	KB.USB03.049
	USB Standard 105KS With eKey Silver Polish	KB.USB03.050
	USB Standard 105KS With eKey Silver Slovenian	KB.USB03.051
	USB Standard 105KS With eKey Silver Slovak	KB.USB03.052
	USB Standard 105KS With eKey Silver Turkish	KB.USB03.053
	USB Standard 104KS With eKey Silver Russian	KB.USB03.054
	USB Standard 105KS With eKey Silver Hungarian	KB.USB03.055
	USB Standard 104KS With eKey Silver Greek	KB.USB03.056
	USB Standard 105KS With eKey Silver Danish	KB.USB03.057
	USB Standard 104KS With eKey Silver Czech	KB.USB03.058
	USB Standard 105KS With eKey Silver Romanian	KB.USB03.059
	USB Standard 105KS With eKey Silver Turkish/French	KB.USB03.060
	USB Standard 105KS With eKey Silver Arabic/French	KB.USB03.061
	USB Keyboard KU-0355 US Ver. 104KS(with eKey Vista) RoHS	KB.KUS03.222

	USB Keyboard KU-0355 T.Chinese Ver. 104KS(with eKey Vista) RoHS	KB.KUS03.223
	USB Keyboard KU-0355 In'l US Ver. 104KS(with eKey Vista) RoHS	KB.KUS03.225
	USB Keyboard KU-0355 Arabic Ver. 104KS(with eKey Vista) RoHS	KB.KUS03.226
	USB Keyboard KU-0355 Thai Ver. 104KS(with eKey Vista) RoHS	KB.KUS03.227
	USB Keyboard KU-0355 Spanish Ver. 105KS(with eKey Vista) RoHS	KB.KUS03.228
	USB Keyboard KU-0355 Canadian/French Ver. 105KS(with eKey Vista) RoHS	KB.KUS03.230
	USB Keyboard KU-0355 Brazilian Ver. 107KS(with eKey Vista) RoHS	KB.KUS03.231
	USB Keyboard KU-0355 JPNese 109KS(with eKey Vista) RoHS	KB.KUS03.232
	USB Keyboard KU-0355 French Ver. 105Keys (with eKey Vista) RoHS	KB.KUS03.262
	USB Keyboard KU-0355 T.Chinese Ver. 104KS(with eKey Vista) RoHS	KB.KUS03.223
	USB Keyboard KU-0355 In'l US Ver. 104KS(with eKey Vista) RoHS	KB.KUS03.225
	USB Keyboard KU-0355 Arabic Ver. 104KS(with eKey Vista) RoHS	KB.KUS03.226
	USB Keyboard KU-0355 Thai Ver. 104KS(with eKey Vista) RoHS	KB.KUS03.227
	USB Keyboard KU-0355 Spanish Ver. 105KS(with eKey Vista) RoHS	KB.KUS03.228
	USB Keyboard KU-0355 Canadian/French Ver. 105KS(with eKey Vista) RoHS	KB.KUS03.230
	USB Keyboard KU-0355 Brazilian Ver. 107KS(with eKey Vista) RoHS	KB.KUS03.231
	USB Keyboard KU-0355 JPNese 109KS(with eKey Vista) RoHS	KB.KUS03.232
	USB Keyboard KU-0355 French Ver. 105Keys (with eKey Vista) RoHS	KB.KUS03.262
	USB Keyboard KU-0355 US Ver. 104KS JPN ABS(with eKey Vista) RoHS	KB.KUS03.233

	USB Keyboard KU-0355 In'l US Ver. 104KS JPN ABS(with eKey Vista) RoHS	KB.KUS03.234
	USB Keyboard KU-0355 Arabic Ver. 104KS JPN ABS(with eKey Vista) RoHS	KB.KUS03.235
	USB Keyboard KU-0355 Germany Ver. 105KS JPN ABS(with eKey Vista) RoHS	KB.KUS03.236
	USB Keyboard KU-0355 Italian Ver. 105KS JPN ABS(with eKey Vista) RoHS	KB.KUS03.237
	USB Keyboard KU-0355 French Ver. 105KS JPN ABS(with eKey Vista) RoHS	KB.KUS03.238
	USB Keyboard KU-0355 Sweden Ver. 105KS JPN ABS(with eKey Vista) RoHS	KB.KUS03.239
	USB Keyboard KU-0355 UK Ver. 105KS JPN ABS(with eKey Vista) RoHS	KB.KUS03.240
	USB Keyboard KU-0355 Spanish Ver. 105KS JPN ABS(with eKey Vista) RoHS	KB.KUS03.241
	USB Keyboard KU-0355 Dutch Ver. 105KS JPN ABS(with eKey Vista) RoHS	KB.KUS03.242
	USB Keyboard KU-0355 Portugese Ver. 105KS JPN ABS(with eKey Vista) RoHS	KB.KUS03.243
	USB Keyboard KU-0355 Swiss Ver. 105KS JPN ABS(with eKey Vista) RoHS	KB.KUS03.244
	USB Keyboard KU-0355 Belgium Ver. 105KS JPN ABS(with eKey Vista) RoHS	KB.KUS03.245
	USB Keyboard KU-0355 Iceland Ver. 105KS JPN ABS(with eKey Vista) RoHS	KB.KUS03.247
	USB Keyboard KU-0355 Norwegian Ver. 105KS JPN ABS(with eKey Vista) RoHS	KB.KUS03.248
	USB Keyboard KU-0355 Hebrew Ver. 104KS JPN ABS(with eKey Vista) RoHS	KB.KUS03.249
	USB Keyboard KU-0355 Polish Ver. 105KS JPN ABS(with eKey Vista) RoHS	KB.KUS03.250
	USB Keyboard KU-0355 Slovenian Ver. 105KS JPN ABS(with eKey Vista) RoHS	KB.KUS03.251
	USB Keyboard KU-0355 Slovakian Ver. 105KS JPN ABS(with eKey Vista) RoHS	KB.KUS03.252
	USB Keyboard KU-0355 Turkey Ver. 105KS JPN ABS(with eKey Vista) RoHS	KB.KUS03.253

USB Keyboard KU-0355 RussianVer. 104KS JPN ABS(with eKey Vista) RoHS	KB.KUS03.254
USB Keyboard KU-0355 Hungaria Ver. 105KS JPN ABS(with eKey Vista) RoHS	KB.KUS03.255
USB Keyboard KU-0355 Greek Ver. 104KS JPN ABS(with eKey Vista) RoHS	KB.KUS03.256
USB Keyboard KU-0355 Denmark Ver. 104KS JPN ABS(with eKey Vista) RoHS	KB.KUS03.257
USB Keyboard KU-0355 Czech Ver. 104KS JPN ABS(with eKey Vista) RoHS	KB.KUS03.258
USB Keyboard KU-0355 Italian new layout 105KS JPN ABS(with eKey Vista) RoHS	KB.KUS03.259
USB Keyboard KU-0355 Romanian Ver. 105KS JPN ABS(with eKey Vista) RoHS	KB.KUS03.260
USB Keyboard KU-0355 Turkey/French Ver. 105KS JPN ABS(with eKey Vista) RoHS	KB.KUS03.261
USB Keyboard KU-0355 French+Arabic 105KS (with eKey Vista) RoHS	KB.KUS03.263
USB Standard 104KS With eKey Black US	KB.USB03.002
USB Standard 104KS With eKey Black Simplified Chinese	KB.USB03.003
USB Standard 104KS With eKey Black Arabic/English	KB.USB03.004
USB Standard 104KS With eKey Black Thailand	KB.USB03.005
USB Standard 104KS With eKey Black US International	KB.USB03.006
USB Standard 105KS With eKey Black Canadian French	KB.USB03.007
USB Standard 107KS With eKey Black Brazilian Portuguese	KB.USB03.008
USB Standard 105KS With eKey Black Spanish	KB.USB03.009
USB Standard 105KS With eKey Black UK	KB.USB03.010
USB Standard 105KS With eKey Black French	KB.USB03.011
USB Standard 105KS With eKey Black German	KB.USB03.012
USB Standard 105KS With eKey Black Italian	KB.USB03.013
USB Standard 105KS With eKey Black Swiss/G	KB.USB03.014
USB Standard 105KS With eKey Black Swedish	KB.USB03.015
USB Standard 105KS With eKey Black Belgium	KB.USB03.016
USB Standard 105KS With eKey Black Dutch	KB.USB03.017

	USB Standard 105KS With eKey Black Portuguese	KB.USB03.018
	USB Standard 105KS With eKey Black Icelandic	KB.USB03.019
	USB Standard 105KS With eKey Black Norwegian	KB.USB03.020
	USB Standard 104KS With eKey Black Israel	KB.USB03.021
	USB Standard 105KS With eKey Black Polish	KB.USB03.022
	USB Standard 105KS With eKey Black Slovenian	KB.USB03.023
	USB Standard 105KS With eKey Black Slovak	KB.USB03.024
	USB Standard 105KS With eKey Black Turkish	KB.USB03.025
	USB Standard 104KS With eKey Black Russian	KB.USB03.026
	USB Standard 105KS With eKey Black Hungarian	KB.USB03.027
	USB Standard 104KS With eKey Black Greek	KB.USB03.028
	USB Standard 105KS With eKey Black Danish	KB.USB03.029
	USB Standard 104KS With eKey Black Czech	KB.USB03.030
	USB Standard 105KS With eKey Black Romanian	KB.USB03.031
	USB Standard 105KS With eKey Black Turkish-Q	KB.USB03.032
	USB Standard 105KS With eKey Black Arabic/French	KB.USB03.033
	USB Standard 109KS With eKey Black Japanese	KB.USB03.034
	USB Standard 104KS With eKey Black Traditional Chinese	KB.USB03.035
	USB Standard 104KS With eKey Black Hebrew	KB.USB03.036
	USB Standard 105KS With eKey Black Spanish Latin	KB.USB03.037
	USB Standard 105KS With eKey Black Italian new layout	KB.USB03.038
	USB Standard 104KS With eKey Black US with eKey Vista	KB.USB03.062
	USB Standard 104KS With eKey Black Traditional Chinese with eKey Vista	KB.USB03.063
	USB Standard 104KS With eKey Black Simplified Chinese with eKey Vista	KB.USB03.064
	USB Standard 104KS With eKey Black US International with eKey Vista	KB.USB03.065
	USB Standard 104KS With eKey Black Arabic/English with eKey Vista	KB.USB03.066
	USB Standard 104KS With eKey Black Thailand with eKey Vista	KB.USB03.067
	USB Standard 105KS With eKey Black Spanish with eKey Vista	KB.USB03.068
	USB Standard 105KS With eKey Black Portuguese w	KB.USB03.069

	USB Standard 105KS With eKey Black Canadian French with eKey Vista	KB.USB03.070
	USB Standard 107KS With eKey Black Brazilian Portuguese with eKey Vista	KB.USB03.071
	USB Standard 109KS With eKey Black Japanese with eKey Vista	KB.USB03.072
	USB Standard 105KS With eKey Black German with eKey Vista	KB.USB03.073
	USB Standard 105KS With eKey Black Italian with eKey Vista	KB.USB03.074
	USB Standard 105KS With eKey Black French with eKey Vista	KB.USB03.075
	USB Standard 105KS With eKey Black Swedish with eKey Vista	KB.USB03.076
	USB Standard 105KS With eKey Black UK with eKey Vista	KB.USB03.077
	USB Standard 105KS With eKey Black Dutch with eKey Vista	KB.USB03.078
	USB Standard 105KS With eKey Black Swiss/G with eKey Vista	KB.USB03.079
	USB Standard 105KS With eKey Black Belgium with eKey Vista	KB.USB03.080
	USB Standard 105KS With eKey Black Icelandic with eKey Vista	KB.USB03.081
	USB Standard 105KS With eKey Black Norwegian with eKey Vista	KB.USB03.082
	USB Standard 104KS With eKey Black Hebrew with eKey Vista	KB.USB03.083
	USB Standard 105KS With eKey Black Polish with eKey Vista	KB.USB03.084
	USB Standard 105KS With eKey Black Slovenian with eKey Vista	KB.USB03.085
	USB Standard 105KS With eKey Black Slovak with eKey Vista	KB.USB03.086
	USB Standard 104KS With eKey Black Russian with eKey Vista	KB.USB03.087
	USB Standard 105KS With eKey Black Hungarian with eKey Vista	KB.USB03.088

	USB Standard 104KS With eKey Black Greek with eKey Vista	KB.USB03.089
	USB Standard 105KS With eKey Black Danish with eKey Vista	KB.USB03.090
	USB Standard 104KS With eKey Black Czech with eKey Vista	KB.USB03.091
	USB Standard 105KS With eKey Black Romanian with eKey Vista	KB.USB03.092
	USB Standard 105KS With eKey Black Turkish with eKey Vista	KB.USB03.093
	USB Standard 105KS With eKey Black Spanish Latin with eKey Vista	KB.USB03.094
	USB Standard 105KS With eKey Black Turkish-Q with eKey Vista	KB.USB03.095
	USB Standard 105KS With eKey Black Arabic/French with eKey Vista	KB.USB03.096
	USB Standard 105KS With eKey Black Kazakh with eKey Vista	KB.USB03.098
	USB Standard 104KS With eKey Black Turkmen	KB.USB03.152
	USB Standard 105KS With eKey Black Nordic	KB.USB03.153
	USB Keyboard SK-9610 US Ver. 104KS(with eKey Vista) RoHS	KB.9610B.045
	USB Keyboard SK-9610 T.Chinese Ver. 104KS(with eKey Vista) RoHS	KB.9610B.046
	USB Keyboard SK-9610 S.Chinese 104KS(with eKey Vista) RoHS	KB.9610B.047
	USB Keyboard SK-9610 In'l US Ver. 104KS(with eKey Vista) RoHS	KB.9610B.048
	USB Keyboard SK-9610 Arabic Ver. 104KS(with eKey Vista) RoHS	KB.9610B.049
	USB Keyboard SK-9610 Thai Ver. 104KS(with eKey Vista) RoHS	KB.9610B.050
	USB Keyboard SK-9610 Spanish Ver. 105KS(with eKey Vista) RoHS	KB.9610B.051
	USB Keyboard SK-9610 Portugese Ver. 105KS(with eKey Vista) RoHS	KB.9610B.052
	USB Keyboard SK-9610 Canadian/French Ver. 105KS(with eKey Vista) RoHS	KB.9610B.053

	USB Keyboard SK-9610 Brazilian Ver. 107KS(with eKey Vista) RoHS	KB.9610B.054
	USB Keyboard SK-9610 JPNese 109KS(with eKey Vista) RoHS	KB.9610B.055
	USB Keyboard SK-9610 Germany Ver. 105KS (with eKey Vista) RoHS	KB.9610B.056
	USB Keyboard SK-9610 Italian Ver. 105KS (with eKey Vista) RoHS	KB.9610B.057
	USB Keyboard SK-9610 French Ver. 105KS (with eKey Vista) RoHS	KB.9610B.058
	USB Keyboard SK-9610 Sweden Ver. 105KS (with eKey Vista) RoHS	KB.9610B.059
	USB Keyboard SK-9610 UK Ver. 105KS (with eKey Vista) RoHS	KB.9610B.060
	USB Keyboard SK-9610 Dutch Ver. 105KS (with eKey Vista) RoHS	KB.9610B.061
	USB Keyboard SK-9610 Swiss Ver. 105KS (with eKey Vista) RoHS	KB.9610B.062
	USB Keyboard SK-9610 Belgium Ver. 105KS (with eKey Vista) RoHS	KB.9610B.063
	USB Keyboard SK-9610 Iceland Ver. 105KS (with eKey Vista) RoHS	KB.9610B.064
	USB Keyboard SK-9610 Norwegian Ver. 105KS (with eKey Vista) RoHS	KB.9610B.065
	USB Keyboard SK-9610 Hebrew Ver. 104KS (with eKey Vista) RoHS	KB.9610B.066
	USB Keyboard SK-9610 Polish Ver. 105KS (with eKey Vista) RoHS	KB.9610B.067
	USB Keyboard SK-9610 Slovenian Ver. 105KS (with eKey Vista) RoHS	KB.9610B.068
	USB Keyboard SK-9610 Slovakian Ver. 105KS (with eKey Vista) RoHS	KB.9610B.069
	USB Keyboard SK-9610 Turkey Q-Type Ver. 105KS (with eKey Vista) RoHS	KB.9610B.070
	USB Keyboard SK-9610 RussiamVer. 104KS (with eKey Vista) RoHS	KB.9610B.071
	USB Keyboard SK-9610 Hungaria Ver. 105KS (with eKey Vista) RoHS	KB.9610B.072

	USB Keyboard SK-9610 Greek Ver. 104KS (with eKey Vista) RoHS	KB.9610B.073
	USB Keyboard SK-9610 Denmark Ver. 105KS (with eKey Vista) RoHS	KB.9610B.074
	USB Keyboard SK-9610 Czech Ver. 104KS (with eKey Vista) RoHS	KB.9610B.075
	USB Keyboard SK-9610 Romanian Ver. 105KS (with eKey Vista) RoHS	KB.9610B.076
	USB Keyboard SK-9610 Turkey F-Type Ver. 105KS (with eKey Vista) RoHS	KB.9610B.077
	USB Keyboard SK-9610 French+Arabic 105KS (with ekey Vista) RoHS	KB.9610B.078
	USB Keyboard SK-9610 Spanish Latin Ver. 105KS(with eKey Vista) RoHS	KB.9610B.079
	USB Keyboard SK-9610 Italian Ver. S1 105KS (with eKey) RoHS	KB.USB0B.002
	USB Keyboard SK-9610 Italian Ver. S1 105KS (with eKey Vista) RoHS	KB.USB0B.001
	USB Keyboard SK-9610 US Ver. 104KS(with eKey Vista) RoHS	KB.USB0B.006
	USB Keyboard SK-9610 T.Chinese Ver. 104KS(with eKey Vista) RoHS	KB.USB0B.007
	USB Keyboard SK-9610 S.Chinese 104KS(with eKey Vista) RoHS	KB.USB0B.008
	USB Keyboard SK-9610 In'l US Ver. 104KS(with eKey Vista) RoHS	KB.USB0B.009
	USB Keyboard SK-9610 Arabic Ver. 104KS(with eKey Vista) RoHS	KB.USB0B.010
	USB Keyboard SK-9610 Thai Ver. 104KS(with eKey Vista) RoHS	KB.USB0B.011
	USB Keyboard SK-9610 Spanish Ver. 105KS(with eKey Vista) RoHS	KB.USB0B.012
	USB Keyboard SK-9610 Portugese Ver. 105KS(with eKey Vista) RoHS	KB.USB0B.013
	USB Keyboard SK-9610 Canadian/French Ver. 105KS(with eKey Vista) RoHS	KB.USB0B.014
	USB Keyboard SK-9610 Brazilian Ver. 107KS(with eKey Vista) RoHS	KB.USB0B.015

	USB Keyboard SK-9610 JPNese 109KS(with eKey Vista) RoHS	KB.USB0B.016
	USB Keyboard SK-9610 Germany Ver. 105KS (with eKey Vista) RoHS	KB.USB0B.017
	USB Keyboard SK-9610 Italian Ver. 105KS (with eKey Vista) RoHS	KB.USB0B.018
	USB Keyboard SK-9610 French Ver. 105KS (with eKey Vista) RoHS	KB.USB0B.019
	USB Keyboard SK-9610 Sweden Ver. 105KS (with eKey Vista) RoHS	KB.USB0B.020
	USB Keyboard SK-9610 UK Ver. 105KS (with eKey Vista) RoHS	KB.USB0B.021
	USB Keyboard SK-9610 Dutch Ver. 105KS (with eKey Vista) RoHS	KB.USB0B.022
	USB Keyboard SK-9610 Swiss Ver. 105KS (with eKey Vista) RoHS	KB.USB0B.023
	USB Keyboard SK-9610 Belgium Ver. 105KS (with eKey Vista) RoHS	KB.USB0B.024
	USB Keyboard SK-9610 Iceland Ver. 105KS (with eKey Vista) RoHS	KB.USB0B.025
	USB Keyboard SK-9610 Norwegian Ver. 105KS (with eKey Vista) RoHS	KB.USB0B.026
	USB Keyboard SK-9610 Hebrew Ver. 104KS (with eKey Vista) RoHS	KB.USB0B.027
	USB Keyboard SK-9610 Polish Ver. 105KS (with eKey Vista) RoHS	KB.USB0B.028
	USB Keyboard SK-9610 Slovenian Ver. 105KS (with eKey Vista) RoHS	KB.USB0B.029
	USB Keyboard SK-9610 Slovakian Ver. 105KS (with eKey Vista) RoHS	KB.USB0B.030
	USB Keyboard SK-9610 Turkey Q-Type Ver. 105KS (with eKey Vista) RoHS	KB.USB0B.031
	USB Keyboard SK-9610 RussianVer. 104KS (with eKey Vista) RoHS	KB.USB0B.032
	USB Keyboard SK-9610 Hungaria Ver. 105KS (with eKey Vista) RoHS	KB.USB0B.033
	USB Keyboard SK-9610 Greek Ver. 104KS (with eKey Vista) RoHS	KB.USB0B.034

	USB Keyboard SK-9610 Denmark Ver. 104KS (with eKey Vista) RoHS	KB.USB0B.035
	USB Keyboard SK-9610 Czech Ver. 104KS (with eKey Vista) RoHS	KB.USB0B.036
	USB Keyboard SK-9610 Romanian Ver. 105KS (with eKey Vista) RoHS	KB.USB0B.037
	USB Keyboard SK-9610 Turkey F-Type Ver. 105KS (with eKey Vista) RoHS	KB.USB0B.038
	USB Keyboard SK-9610 French+Arabic 105KS (with eKey Vista) RoHS	KB.USB0B.039
	USB Keyboard SK-9610 Spanish Latin Ver. 105KS(with eKey Vista) RoHS	KB.USB0B.040
	USB Keyboard SK-9610 Italian Ver. S1 105KS (with eKey) RoHS	KB.USB0B.041
	USB Keyboard SK-9610 Italian Ver. S1 105KS (with eKey Vista) RoHS	KB.USB0B.042
	USB Standard 104KS With eKey Black US with eKey Vista	KB.USB0B.043
	USB Standard 104KS With eKey Black Traditional Chinese with eKey Vista	KB.USB0B.044
	USB Standard 104KS With eKey Black Simplified Chinese with eKey Vista	KB.USB0B.045
	USB Standard 104KS With eKey Black US International with eKey Vista	KB.USB0B.046
	USB Standard 104KS With eKey Black Arabic/English with eKey Vista	KB.USB0B.047
	USB Standard 104KS With eKey Black Thailand with eKey Vista	KB.USB0B.048
	USB Standard 105KS With eKey Black Spanish with eKey Vista	KB.USB0B.049
	USB Standard 105KS With eKey Black Portuguese with eKey Vista	KB.USB0B.050
	USB Standard 105KS With eKey Black Canadian French with eKey Vista	KB.USB0B.051
	USB Standard 107KS With eKey Black Brazilian Portuguese with eKey Vista	KB.USB0B.052
	USB Standard 109KS With eKey Black Japanese with eKey Vista	KB.USB0B.053

	USB Standard 105KS With eKey Black German with eKey Vista	KB.USB0B.054
	USB Standard 105KS With eKey Black Italian with eKey Vista	KB.USB0B.055
	USB Standard 105KS With eKey Black French with eKey Vista	KB.USB0B.056
	USB Standard 105KS With eKey Black Swedish with eKey Vista	KB.USB0B.057
	USB Standard 105KS With eKey Black UK with eKey Vista	KB.USB0B.058
	USB Standard 105KS With eKey Black Dutch with eKey Vista	KB.USB0B.059
	USB Standard 105KS With eKey Black Swiss/G with eKey Vista	KB.USB0B.060
	USB Standard 105KS With eKey Black Belgium with eKey Vista	KB.USB0B.061
	USB Standard 105KS With eKey Black Icelandic with eKey Vista	KB.USB0B.062
	USB Standard 105KS With eKey Black Norwegian with eKey Vista	KB.USB0B.063
	USB Standard 104KS With eKey Black Hebrew with eKey Vista	KB.USB0B.064
	USB Standard 105KS With eKey Black Polish with eKey Vista	KB.USB0B.065
	USB Standard 105KS With eKey Black Slovenian with eKey Vista	KB.USB0B.066
	USB Standard 105KS With eKey Black Slovak with eKey Vista	KB.USB0B.067
	USB Standard 104KS With eKey Black Russian with eKey Vista	KB.USB0B.068
	USB Standard 105KS With eKey Black Hungarian with eKey Vista	KB.USB0B.069
	USB Standard 104KS With eKey Black Greek with eKey Vista	KB.USB0B.070
	USB Standard 105KS With eKey Black Danish with eKey Vista	KB.USB0B.071
	USB Standard 104KS With eKey Black Czech with eKey Vista	KB.USB0B.072

	USB Standard 105KS With eKey Black Romanian with eKey Vista	KB.USB0B.073
	USB Standard 105KS With eKey Black Turkish with eKey Vista	KB.USB0B.074
	USB Standard 105KS With eKey Black Spanish Latin with eKey Vista	KB.USB0B.075
	USB Standard 105KS With eKey Black Turkish-Q with eKey Vista	KB.USB0B.076
	USB Standard 105KS With eKey Black Arabic/French with eKey Vista	KB.USB0B.077
	USB Standard 105KS With eKey Black Kazakh with eKey Vista	KB.USB0B.079
	USB Standard 104KS With eKey Black Turkmen with eKey Vista	KB.USB0B.080
	USB Standard 104KS With eKey Black Nordic with eKey Vista	KB.USB0B.081
	Wireless WUG0570 RF2.4 RF2.4 Standard 104KS With eKey Black US	KB.RF403.001
	Wireless WUG0570 RF2.4 RF2.4 Standard 105KS With eKey Black UK	KB.RF403.002
	Wireless WUG0570 RF2.4 RF2.4 Standard 105KS With eKey Black French	KB.RF403.003
	Wireless WUG0570 RF2.4 RF2.4 Standard 105KS With eKey Black Italian	KB.RF403.004
	Wireless WUG0570 RF2.4 RF2.4 Standard 105KS With eKey Black German	KB.RF403.005
	Wireless WUG0570 RF2.4 RF2.4 Standard 104KS With eKey Black US International	KB.RF403.006
	Wireless WUG0570 RF2.4 RF2.4 Standard 105KS With eKey Black Swiss/G	KB.RF403.007
	Wireless WUG0570 RF2.4 RF2.4 Standard 105KS With eKey Black Dutch	KB.RF403.008
	Wireless WUG0570 RF2.4 RF2.4 Standard 105KS With eKey Black Belgium	KB.RF403.009
	Wireless WUG0570 RF2.4 RF2.4 Standard 104KS With eKey Black Arabic/English	KB.RF403.010
	Wireless WUG0570 RF2.4 RF2.4 Standard 105KS With eKey Black Arabic/French	KB.RF403.011

Wireless WUG0570 RF2.4 RF2.4 Standard 105KS With eKey Black Spanish	KB.RF403.012
Wireless WUG0570 RF2.4 RF2.4 Standard 105KS With eKey Black Swedish	KB.RF403.013
Wireless WUG0570 RF2.4 RF2.4 Standard 105KS With eKey Black Danish	KB.RF403.014
Wireless WUG0570 RF2.4 RF2.4 Standard 104KS With eKey Black Russian	KB.RF403.015
Wireless WUG0570 RF2.4 RF2.4 Standard 105KS With eKey Black Finnish	KB.RF403.016
Wireless WUG0570 RF2.4 RF2.4 Standard 104KS With eKey Black Czech	KB.RF403.017
Wireless WUG0570 RF2.4 RF2.4 Standard 104KS With eKey Black Greek	KB.RF403.018
Wireless WUG0570 RF2.4 RF2.4 Standard 105KS With eKey Black Portuguese	KB.RF403.019
Wireless WUG0570 RF2.4 RF2.4 Standard 105KS With eKey Black Turkish	KB.RF403.020
Wireless WUG0570 RF2.4 RF2.4 Standard 105KS With eKey Black Norwegian	KB.RF403.021
Wireless WUG0570 RF2.4 RF2.4 Standard 104KS With eKey Black Traditional Chinese	KB.RF403.022
Wireless WUG0570 RF2.4 RF2.4 Standard 104KS With eKey Black Thailand	KB.RF403.023
Wireless WUG0570 RF2.4 RF2.4 Standard 105KS With eKey Black Hungarian	KB.RF403.024
Wireless WUG0570 RF2.4 RF2.4 Standard 109KS With eKey Black Japanese	KB.RF403.025
Wireless KG-0766 RF2.4 Standard 104KS With eKey Black US with eKey Vista	KB.RF403.027
Wireless KG-0766 RF2.4 Standard 104KS With eKey Black Traditional Chinese with eKey Vista	KB.RF403.028
Wireless KG-0766 RF2.4 Standard 104KS With eKey Black Simplified Chinese with eKey Vista	KB.RF403.029
Wireless KG-0766 RF2.4 Standard 104KS With eKey Black US International with eKey Vista	KB.RF403.030
Wireless KG-0766 RF2.4 Standard 104KS With eKey Black Arabic/English with eKey Vista	KB.RF403.031

	Wireless KG-0766 RF2.4 Standard 104KS With eKey Black Thailand with eKey Vista	KB.RF403.032
	Wireless KG-0766 RF2.4 Standard 105KS With eKey Black Spanish with eKey Vista	KB.RF403.033
	Wireless KG-0766 RF2.4 Standard 105KS With eKey Black Portuguese with eKey Vista	KB.RF403.034
	Wireless KG-0766 RF2.4 Standard 105KS With eKey Black Canadian French with eKey Vista	KB.RF403.035
	Wireless KG-0766 RF2.4 Standard 107KS With eKey Black Brazilian Portuguese with eKey Vista	KB.RF403.036
	Wireless KG-0766 RF2.4 Standard 109KS With eKey Black Japanese with eKey Vista	KB.RF403.037
	Wireless KG-0766 RF2.4 Standard 105KS With eKey Black German with eKey Vista	KB.RF403.038
	Wireless KG-0766 RF2.4 Standard 105KS With eKey Black Italian with eKey Vista	KB.RF403.039
	Wireless KG-0766 RF2.4 Standard 105KS With eKey Black French with eKey Vista	KB.RF403.040
	Wireless KG-0766 RF2.4 Standard 105KS With eKey Black Swedish with eKey Vista	KB.RF403.041
	Wireless KG-0766 RF2.4 Standard 105KS With eKey Black UK with eKey Vista	KB.RF403.042
	Wireless KG-0766 RF2.4 Standard 105KS With eKey Black Dutch with eKey Vista	KB.RF403.043
	Wireless KG-0766 RF2.4 Standard 105KS With eKey Black Swiss/G with eKey Vista	KB.RF403.044
	Wireless KG-0766 RF2.4 Standard 105KS With eKey Black Belgium with eKey Vista	KB.RF403.045
	Wireless KG-0766 RF2.4 Standard 105KS With eKey Black Icelandic with eKey Vista	KB.RF403.046
	Wireless KG-0766 RF2.4 Standard 105KS With eKey Black Norwegian with eKey Vista	KB.RF403.047
	Wireless KG-0766 RF2.4 Standard 104KS With eKey Black Hebrew with eKey Vista	KB.RF403.048
	Wireless KG-0766 RF2.4 Standard 105KS With eKey Black Polish with eKey Vista	KB.RF403.049
	Wireless KG-0766 RF2.4 Standard 105KS With eKey Black Slovenian with eKey Vista	KB.RF403.050

	Wireless KG-0766 RF2.4 Standard 105KS With eKey Black Slovak with eKey Vista	KB.RF403.051
	Wireless KG-0766 RF2.4 Standard 104KS With eKey Black Russian with eKey Vista	KB.RF403.052
	Wireless KG-0766 RF2.4 Standard 105KS With eKey Black Hungarian with eKey Vista	KB.RF403.053
	Wireless KG-0766 RF2.4 Standard 104KS With eKey Black Greek with eKey Vista	KB.RF403.054
	Wireless KG-0766 RF2.4 Standard 105KS With eKey Black Danish with eKey Vista	KB.RF403.055
	Wireless KG-0766 RF2.4 Standard 104KS With eKey Black Czech with eKey Vista	KB.RF403.056
	Wireless KG-0766 RF2.4 Standard 105KS With eKey Black Romanian with eKey Vista	KB.RF403.057
	Wireless KG-0766 RF2.4 Standard 105KS With eKey Black Turkish with eKey Vista	KB.RF403.058
	Wireless KG-0766 RF2.4 Standard 105KS With eKey Black Spanish Latin with eKey Vista	KB.RF403.059
	Wireless KG-0766 RF2.4 Standard 105KS With eKey Black Turkish-Q with eKey Vista	KB.RF403.060
	Wireless KG-0766 RF2.4 Standard 105KS With eKey Black Nordic w/o Aspire logo	KB.RF403.095
	Wireless KB RF27Mhz,Cocoon US ver. 104 keys(with eKey Vista) RoHS	KB.CCN04.087
	Wireless KB RF27Mhz,Cocoon TC ver. 104 keys(with eKey Vista) RoHS with STK Label	KB.CCN04.088
	Wireless KB RF27Mhz, Cocoon Int'l US ver. 105 keys(with eKey Vista) RoHS	KB.CCN04.089
	Wireless KB RF27Mhz,Cocoon Arabic ver. 104 keys(with eKey Vista) RoHS	KB.CCN04.090
	Wireless KB RF27Mhz,Cocoon Thai ver. 104 keys(with eKey Vista) RoHS	KB.CCN04.091
	Wireless KB RF27Mhz,Cocoon Germany ver. 105 keys(with eKey Vista) RoHS	KB.CCN04.092
	Wireless KB RF27Mhz,Cocoon Italian ver. 105 keys(with eKey Vista) RoHS	KB.CCN04.093
	Wireless KB RF27Mhz,Cocoon French ver. 105 keys(with eKey Vista) RoHS	KB.CCN04.094

Wireless KB RF27Mhz,Cocoon Sweden ver. 105 keys(with eKey Vista) RoHS	KB.CCN04.095
Wireless KB RF27Mhz,Cocoon Spanish ver. 105 keys(with eKey Vista) RoHS	KB.CCN04.096
Wireless KB RF27Mhz,Cocoon UK ver. 105 keys(with eKey Vista) RoHS	KB.CCN04.097
Wireless KB RF27Mhz,Cocoon Swiss ver. 105 keys(with eKey Vista) RoHS	KB.CCN04.098
Wireless KB RF27Mhz,Cocoon Belgium ver. 105 keys(with eKey Vista) RoHS	KB.CCN04.099
Wireless KB RF27Mhz,Cocoon Czech ver. 104 keys(with eKey Vista) RoHS	KB.CCN04.100
Wireless KB RF27Mhz,Cocoon Russian ver. 105 keys(with eKey Vista) RoHS	KB.CCN04.101
Wireless KB RF27Mhz,Cocoon Denmark ver. 105 keys(with eKey Vista) RoHS	KB.CCN04.102
Wireless KB RF27Mhz,Cocoon Dutch ver. 105 keys(with eKey Vista) RoHS	KB.CCN04.103
Wireless KB RF27Mhz,Cocoon Portugese ver. 105 keys(with eKey Vista) RoHS	KB.CCN04.104
Wireless KB RF27Mhz,Cocoon Slovak ver. 105 keys(with eKey Vista) RoHS	KB.CCN04.105
Wireless KB RF27Mhz,Cocoon Iceland ver. 105 keys(with eKey Vista) RoHS	KB.CCN04.106
Wireless KB RF27Mhz,Cocoon Norwegian ver. 105 keys(with eKey Vista) RoHS	KB.CCN04.107
Wireless KB RF27Mhz,Cocoon Hebrew ver. 105 keys(with eKey Vista) RoHS	KB.CCN04.108
Wireless KB RF27Mhz,Cocoon Polish ver. 105 keys(with eKey Vista) RoHS	KB.CCN04.109
Wireless KB RF27Mhz,Cocoon Slovenian ver. 105 keys(with eKey Vista) RoHS	KB.CCN04.110
Wireless KB RF27Mhz,Cocoon Turkey ver. 105 keys(with eKey Vista) RoHS	KB.CCN04.111
Wireless KB RF27Mhz,Cocoon Hungaria ver. 105 keys(with eKey Vista) RoHS	KB.CCN04.112
Wireless KB RF27Mhz,Cocoon Greek ver. 104 keys(with eKey Vista) RoHS	KB.CCN04.113

	Wireless KB RF27Mhz,Cocoon Canadian/French ver. 105 keys(with eKey Vista) RoHS	KB.CCN04.114
	USB Keyboard SK-9610 Czech Ver. 104KS (with eKey Vista) RoHS	KB.USB0B.036
	USB Keyboard SK-9610 Romanian Ver. 105KS (with eKey Vista) RoHS	KB.USB0B.037
	USB Keyboard SK-9610 Turkey F-Type Ver. 105KS (with eKey Vista) RoHS	KB.USB0B.038
	USB Keyboard SK-9610 French+Arabic 105KS (with ekey Vista) RoHS	KB.USB0B.039
	USB Keyboard SK-9610 Spanish Latin Ver. 105KS(with eKey Vista) RoHS	KB.USB0B.040
	USB Keyboard SK-9610 Italian Ver. S1 105KS (with eKey) RoHS	KB.USB0B.041
	USB Keyboard SK-9610 Italian Ver. S1 105KS (with eKey Vista) RoHS	KB.USB0B.042
	USB Standard 104KS With eKey Black US with eKey Vista	KB.USB0B.043